

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 30, 2004, 07:12:01 ; Search time 47 Seconds  
(without alignments)  
702.859 Million cell updates/sec

Title: US-10-027-603-2

Perfect score: 589

Sequence: 1 MRGATRVISIMLLLVTSQDA.....CSRFPGDGRVRCMDLKNINF 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1297172 seqs, 314612898 residues

Total number of hits satisfying chosen parameters: 634

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 2500 summaries

Database : Published Applications AA:

1: /cgn2\_6/ptodata/1/pubaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubaa/US05\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubaa/US08\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubaa/US09\_PUBCOMB.pep.\*  
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12: /cgn2\_6/ptodata/1/pubaa/US10\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubaa/US10\_PUBCOMB.pep.\*  
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16: /cgn2\_6/ptodata/1/pubaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	589	100.0	105	9	US-09-989-722-371
2	589	100.0	105	9	US-09-989-723-371
3	589	100.0	105	9	US-09-989-279-371
4	589	100.0	105	9	US-09-989-727-371
5	589	100.0	105	9	US-09-989-731-371
6	589	100.0	105	9	US-09-989-732-371
7	589	100.0	105	9	US-09-991-073-371
8	589	100.0	105	9	US-09-990-442-371
9	589	100.0	105	9	US-09-991-163-371
10	589	100.0	105	9	US-09-993-604-371
11	589	100.0	105	9	US-09-990-456-371
12	589	100.0	105	9	US-09-989-721-371
13	589	100.0	105	9	US-09-992-598-371
14	589	100.0	105	9	US-09-986-242A-2
15	589	100.0	105	9	US-09-989-733A-371

16	589	100.0	105	9	US-09-965-528-11	Sequence 11, Appl
17	589	100.0	105	9	US-09-989-735-371	Sequence 371, App
18	589	100.0	105	9	US-09-990-444-371	Sequence 371, App
19	589	100.0	105	9	US-09-991-181-371	Sequence 371, App
20	589	100.0	105	9	US-09-989-730-371	Sequence 371, App
21	589	100.0	105	9	US-09-990-436-371	Sequence 371, App
22	589	100.0	105	9	US-09-993-687-371	Sequence 371, App
23	589	100.0	105	10	US-09-989-734-371	Sequence 371, App
24	589	100.0	105	10	US-09-997-653-371	Sequence 371, App
25	589	100.0	105	10	US-09-993-667-371	Sequence 371, App
26	589	100.0	105	10	US-09-997-428-371	Sequence 371, App
27	589	100.0	105	10	US-09-997-666-371	Sequence 371, App
28	589	100.0	105	10	US-09-990-438-371	Sequence 371, App
29	589	100.0	105	10	US-09-980-562-371	Sequence 371, App
30	589	100.0	105	10	US-09-796-753-64	Sequence 64, Appl
31	589	100.0	105	10	US-09-990-711-371	Sequence 371, App
32	589	100.0	105	10	US-09-989-726-371	Sequence 371, App
33	589	100.0	105	10	US-09-988-156-371	Sequence 371, App
34	589	100.0	105	10	US-09-990-437-371	Sequence 371, App
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37	589	100.0	105	10	US-09-997-573-371	Sequence 371, App
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70	589	100.0	105	12	US-10-145-127-470	Sequence 470, App
71	589	100.0	105	12	US-10-160-503-470	Sequence 470, App
72	589	100.0	105	12	US-10-143-118-470	Sequence 470, App
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76	589	100.0	105	12	US-10-219-535-166	Sequence 166, App
77	589	100.0	105	12	US-10-232-230-166	Sequence 166, App
78	589	100.0	105	12	US-09-969-984-11	Sequence 11, Appl
79	589	100.0	105	12	US-10-140-024-470	Sequence 470, App
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85	589	100.0	105	12	US-10-232-224-166	Sequence 166, App
86	589	100.0	105	12	US-09-997-641-371	Sequence 371, App
87	589	100.0	105	12	US-09-991-150-371	Sequence 371, App
88	589	100.0	105	12	US-10-152-405-470	Sequence 470, App

89	589	100.0	105	12	US-10-127-852A-470	Sequence 470, App	162	589	100.0	105	14	US-10-121-043-470	Sequence 470, App
90	589	100.0	105	12	US-10-127-900A-470	Sequence 470, App	163	589	100.0	105	14	US-10-121-047-470	Sequence 470, App
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92	589	100.0	105	12	US-10-131-820A-470	Sequence 470, App	165	589	100.0	105	14	US-10-123-902-470	Sequence 470, App
93	589	100.0	105	12	US-10-142-886-470	Sequence 470, App	166	589	100.0	105	14	US-10-123-908-470	Sequence 470, App
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96	589	100.0	105	12	US-10-147-499-470	Sequence 470, App	169	589	100.0	105	14	US-10-124-813-470	Sequence 470, App
97	589	100.0	105	12	US-10-157-798-470	Sequence 470, App	170	589	100.0	105	14	US-10-124-817-470	Sequence 470, App
98	589	100.0	105	12	US-10-305-654-172	Sequence 172, App	171	589	100.0	105	14	US-10-125-922-470	Sequence 470, App
99	589	100.0	105	13	US-10-016-481-2	Sequence 2, Appli	172	589	100.0	105	14	US-10-125-924-470	Sequence 470, App
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102	589	100.0	105	14	US-10-121-049-470	Sequence 470, App	175	589	100.0	105	14	US-10-147-519-470	Sequence 470, App
103	589	100.0	105	14	US-10-123-904-470	Sequence 470, App	176	589	100.0	105	14	US-10-157-782-470	Sequence 470, App
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106	589	100.0	105	14	US-10-176-918-470	Sequence 470, App	179	589	100.0	105	14	US-10-230-434-166	Sequence 166, App
107	589	100.0	105	14	US-10-178-921-470	Sequence 470, App	180	589	100.0	105	14	US-10-125-926A-470	Sequence 470, App
108	589	100.0	105	14	US-10-227-884-166	Sequence 166, App	181	589	100.0	105	14	US-10-125-930A-470	Sequence 470, App
109	589	100.0	105	14	US-10-137-865-470	Sequence 470, App	182	589	100.0	105	14	US-10-127-831A-470	Sequence 470, App
110	589	100.0	105	14	US-10-140-474-470	Sequence 470, App	183	589	100.0	105	14	US-10-127-837A-470	Sequence 470, App
111	589	100.0	105	14	US-10-142-431-470	Sequence 470, App	184	589	100.0	105	14	US-10-127-838B-470	Sequence 470, App
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127	589	100.0	105	14	US-10-123-261-470	Sequence 470, App	200	589	100.0	105	14	US-10-146-729-470	Sequence 470, App
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145	589	100.0	105	14	US-10-127-901A-470	Sequence 470, App	218	589	100.0	105	14	US-10-125-928A-470	Sequence 470, App
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394	589	100.0	105	14	US-10-145-821-470	Sequence 470, App	467	589	100.0	105	14	US-10-152-392-470	Sequence 470, App
395	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	468	589	100.0	105	14	US-10-152-393-470	Sequence 470, App
396	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	469	589	100.0	105	14	US-10-152-394-470	Sequence 470, App
397	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	470	589	100.0	105	14	US-10-152-395-470	Sequence 470, App
398	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	471	589	100.0	105	14	US-10-152-396-470	Sequence 470, App
399	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	472	589	100.0	105	14	US-10-152-397-470	Sequence 470, App
400	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	473	589	100.0	105	14	US-10-152-398-470	Sequence 470, App
401	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	474	589	100.0	105	14	US-10-152-399-470	Sequence 470, App
402	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	475	589	100.0	105	14	US-10-152-400-470	Sequence 470, App
403	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	476	589	100.0	105	14	US-10-152-401-470	Sequence 470, App
404	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	477	589	100.0	105	14	US-10-152-402-470	Sequence 470, App
405	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	478	589	100.0	105	14	US-10-152-403-470	Sequence 470, App
406	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	479	589	100.0	105	14	US-10-152-404-470	Sequence 470, App
407	589	100.0	105	14	US-10-152-831-470	Sequence 470, App	480	589	100.0	105	14	US-10-152-405-470	Sequence





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 30, 2004, 06:40:19 ; Search time 38 seconds

(without alignments)  
265.792 Million cell updates/sec

Title: US-10-027-603-2

Perfect score: 589

Sequence: 1 MRGATRVSIMLLLVTSDCA.....CSRFPDGRVRCMDLKNINF 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283366 seqs, 96191526 residues

Total number of hits satisfying chosen parameters: 283366

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

PIR 78:\*

1: Pirl1.\*

2: Pirl2.\*

3: Pirl3.\*

4: Pirl4.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	100.5	17.1	350	2 JC7188	REIC protein - human
2	88.5	15.0	640	2 T08179	LRG5 protein - Chlamydomonas reinhardtii
3	83	14.1	1101	2 T16840	hypothetical prote
4	81	13.8	1964	2 T09059	nctch4 - mouse
5	79	13.4	112	1 X1HU	collipase precursor
6	77.5	13.2	473	2 A56175	adhesive plaque pr
7	77	13.1	251	2 A55035	cysteine-rich prot
8	75.5	12.8	1574	2 T13954	MEGF6 protein - Ra
9	75	12.7	734	2 JC4861	fertilin beta cha
10	75	12.7	2318	2 S45306	notch 3 protein -
11	75	12.7	2531	2 T31070	notch homolog - se
12	74	12.6	112	2 T51909	collipase precursor
13	74	12.6	1620	2 T27283	hypothetical prote
14	73	12.4	461	1 A35356	tumor necrosis fac
15	73	12.4	3075	2 S14458	laminin alpha-1 ch
16	72.5	12.3	643	2 T25478	hypothetical prote
17	72.5	12.3	2871	2 A55567	fibrillin 1 - bovi
18	72.5	12.3	3002	2 A47221	fibrillin 1 precu
19	72	12.2	1639	1 MMFFB2	laminin gamma-1 ch
20	71.5	12.1	591	2 T148141	acroganin - guine
21	71.5	12.1	601	2 B36346	fibulin 1 precu
22	71.5	12.1	683	2 C36346	fibulin 1 precu
23	71.5	12.1	1178	1 A39804	thrombospondin pre
24	71.5	12.1	1854	2 T13576	hypothetical prote
25	71	12.1	286	2 S34665	collagen, cuticula
26	70.5	12.0	593	1 GYHU	granulin precursor
27	70.5	12.0	1847	2 T18308	probable vitellogen
28	70.5	12.0	2871	2 A55624	fibrillin-1 precu
29	69.5	11.8	802	2 T24293	hypothetical prote

hypothetical prote  
Notch homolog prot  
alpha-2-macroglobu  
fibrillin-2 precu  
hemocytin - silkw  
laminin alpha-1 ch  
C-Deita-1 - chicke  
serine/threonine k  
hypothetical prote  
thrombospondin 2 p  
osteonidogen - hum  
collipase precursor  
hypothetical prote  
nerve growth facto  
mannosyl-oligosacc

#### ALIGNMENTS

##### RESULT 1

JC7188

REIC protein - human

C/Species: Homo sapiens (man)

C/Date: 04-Mar-2000 #sequence\_revision 04-Mar-2000 #text\_change 11-May-2000

C/Accession: JC7188

R/Tsugi, T.; Miyazaki, M.; Sakaguchi, M.; Inoue, Y.; Namba, M.

Biochem. Biophys. Res. Commun. 289, 20-24, 2000

A/Title: A REIC gene shows down-regulation in human immortalized cells and human tumor-d

A/Reference number: JC7188; MUID:20119095; PMID:10652205

A/Accession: JC7188

A/Molecule type: mRNA

A/Residues: 1-350 <TSU>

A/Cross-references: DDBJ:AB034203

A/Experimental source: heart

C/Comment: This protein is a secreted glycoprotein for head induction in amphibian embry.

C/Genetics:

A/Gene: reic

C/Superfamily: human REIC protein

C/Keywords: cardiac muscle; coiled coil; glycoprotein; heart; tumor

Query Match

Best Local Similarity 17.1%; Score 100.5; DB 2; Length 350;

Matches 26; Conservative 3; Mismatches 29; Indels 11; Gaps 4;

QY

26 CERDVQCGAGTCCCAISLWRL--RMCTPLGREGGECH-PGSHKVPFFPKRKHI-----HT 77

Db

208 CDNRDQCPGLCCAFQ---RGLLPVCTPLPVEGELCHDPASRLDLITWELEPDGALDR 264

QY

78 CPCLPNLIC 86

Db

265 CPCASGLJC 273

##### RESULT 2

T08179

LRG5 protein - Chlamydomonas reinhardtii

C/Species: Chlamydomonas reinhardtii

C/Date: 11-Jun-1999 #sequence\_revision 11-Jun-1999 #text\_change 11-Jun-1999

C/Accession: T08179

R/Gloeckner, G.; Beck, C.F.

submitted to the EMBL Data Library, October 1996

A/Description: Molecular characterization of a gene (LRG5) involved in blue light signal;

A/Reference number: Z16399

A/Accession: T08179

A/Status: preliminary; translated from GB/EMBL/DDBJ

A/Molecule type: mRNA

A/Residues: 1-640 <GLO>

A/Cross-references: EMBL:U73817; NID:g1644369; PID:g1644370

C/Genetics:

A/Gene: LRG5

Query Match 15.0%; Score 88.5; DB 2; Length 640;  
 Best Local Similarity 31.6%; Pred. No. 0.24;  
 Matches 24; Conservative 5; Mismatches 24; Indels 23; Gaps 4;

QY 32 CGAGTCCCAISLWLRGRLMCTPLRGEGECHPGSHKVPFRKRKHHTCPCLPNLLCSRF-- 89  
 DB 498 CTAGRCC-----WM-----TCLPMWGGTWPRLMTP-----SRICACLPFPCCSRWL 533

QY 90 -----PDGRYRCSM 98  
 DB 534 RWRGWAAGRWGCSL 549

RESULT 3  
 T16840  
 Hypothetical protein T10E10.4 - *Caenorhabditis elegans*  
 C:Species: *Caenorhabditis elegans*  
 C>Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 20-Sep-1999  
 C:Accession: T16840  
 R:Geisels, C.  
 submitted to the EMBL Data Library, October 1995  
 A:Description: The sequence of *C. elegans* cosmid T10E10.  
 A:Reference number: Z18588  
 A:Accession: T16840  
 A>Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-1101 <GEI>  
 A:Cross-references: EMBL:U39644; NID:G1049339; PID:G1049343; PIDN:AAA80360.1; CESP:T10E10  
 A:Experimental source: strain Bristol N2  
 C:Genetics:  
 A:Gene: CESP:T10E10.4  
 A:Introns: 93/2; 152/2; 191/3; 209/2; 283/3; 303/1; 399/3; 421/1; 440/1; 465/1; 547/3; 7

Query Match 14.1%; Score 83; DB 2; Length 1101;  
 Best Local Similarity 24.4%; Pred. No. 1.4;  
 Matches 32; Conservative 9; Mismatches 40; Indels 50; Gaps 6;

QY 13 LVTYSDCAVINGACERDVQCGAGTCCCAISLWLRG----- 46  
 DB 749 LMSVORCANGIG-CPPGNQENGVCCEPNCSSGSIASSVCGVANSCTPIGYICEGRGCL 807

QY 47 -LRMCTPLGR-----EGEECHPG-----SHKVPFRKRKHHTCPCLPNLLCS 87  
 DB 808 EPLPLCPNGGRASMRKCYRGAECPPGYGCTPLGGCCLLSMEPVCTRSNAVCCSPNWC- 866

QY 88 RPDGRYRCSM 98  
 DB 867 --PSGA-SCTW 874

RESULT 4  
 T09059  
 notch4 - mouse  
 C:Species: *Mus musculus* (house mouse)  
 C>Date: 11-Jun-1999 #sequence\_revision 11-Jun-1999 #text\_change 08-Sep-2002  
 C:Accession: T09059  
 R:Rowen, L.; Mahairas, G.; Qin, S.; Ahearn, M.E.; Dankers, C.; Lasky, S.; Loretz, C.; S  
 submitted to the EMBL Data Library, October 1997  
 A:Description: Sequence of the mouse major histocompatibility locus class III region.  
 A:Reference number: Z16543  
 A:Accession: T09059  
 A>Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-1964 <ROW>  
 A:Cross-references: EMBL:AF030001; NID:G2564945; PID:G2564947  
 C:Genetics:  
 A:Gene: notch4  
 A:Map position: 17  
 A:Introns: 22/1; 49/2; 148/1; 264/1; 305/1; 384/1; 436/1; 501/1; 539/1; 577/1; 618/1; 67  
 1679/3; 1729/1; 1761/3  
 C:Superfamily: notch protein; ankyrin repeat homology; EGF homology  
 C:Keywords: receptor; signal transduction  
 F:154-545/Domain: EGF homology <EGF>

Query Match 13.8%; Score 81; DB 2; Length 1964;  
 Best Local Similarity 30.4%; Pred. No. 3.5;  
 Matches 24; Conservative 7; Mismatches 22; Indels 26; Gaps 5;

QY 26 CERDVQ-----CGAGTCCCAISLWLRGRLMCTPLRGEGECHPGSHKVPFRKRKH 76  
 DB 188 CERDINECFLEPGCPQGISCENTL---GSYQCLFVGEGPQC-----KLKRG 233

QY 77 TCP----CLPNLLCSRF 92  
 DB 234 ACPPGSLNGGTQQLVPEG 252

RESULT 5  
 XLHU  
 colipase precursor [validated] - human  
 N:Alternate names: procolipase  
 C:Species: *Homo sapiens* (man)  
 C>Date: 04-Dec-1986 #sequence\_revision 19-May-1995 #text\_change 08-Dec-2000  
 C:Accession: A42568; A33949; A03163  
 R:Sims, H.F.; Lowe, M.E.  
 Biochemistry 31, 7120-7125, 1992  
 A:Title: The human colipase gene: isolation, chromosomal location, and tissue-specific e  
 A:Reference number: A42568; MUID:92353041; PMID:1643046  
 A:Accession: A42568  
 A:Molecule type: DNA  
 A:Residues: 1-112 <SIM>  
 A:Cross-references: GB:M95529; NID:G180842; PIDN:AA805818.1; PID:G1483624  
 A>Note: sequence extracted from NCBI backbone (NCBIN:110576, NCBIN:110578, NCBIN:110580)  
 R:Lowe, M.E.; Rosenblum, J.L.; McEwen, P.; Strauss, A.W.  
 Biochemistry 29, 823-828, 1990  
 A:Title: Cloning and characterization of the human colipase cDNA.  
 A:Reference number: A33949; MUID:90248429; PMID:2337598  
 A:Accession: A33949  
 A:Molecule type: mRNA  
 A:Residues: 1-112 <LOW>  
 A:Cross-references: GB:J02883; NID:G180885; PIDN:AAA52054.1; PID:G180886  
 R:Sternby, B.; Engstrom, A.; Hellman, U.; Viher, A.M.; Sternby, N.H.; Borgstrom, B.  
 Biochim. Biophys. Acta 784, 75-80, 1984  
 A:Title: The primary sequence of human pancreatic colipase.  
 A:Reference number: A90652; MUID:84104937; PMID:6691986  
 A:Accession: A03163  
 A:Molecule type: protein  
 A:Residues: 23-108 <STE>  
 C:Comment: Colipase a cofactor of triacylglycerol lipase (EC 3.1.1.3), forms a 1:1 stoic  
 se the enzyme is washed off by bile salts, which are known to have an inhibitory effect  
 C:Genetics:  
 A:Gene: GDB:CLPS  
 A:Cross-references: GDB:127277; OMIM:120105  
 A:Map position: 6pter-6p21.1  
 A:Introns: 28/3; 69/3  
 C:Superfamily: colipase  
 C:Keywords: lipid digestion; lipid hydrolysis; pancreas  
 F:1-17/Domain: signal sequence #status predicted <SIG>  
 F:18-22/Domain: amino-terminal propeptide #status predicted <APP>  
 F:23-108/Product: colipase #status experimental <NAT>  
 F:109-112/Domain: carboxyl-terminal propeptide #status predicted <CPP>  
 F:34-104,40-56,44-80,45-78,66-86/Disulfide bonds: #status predicted  
 F:69,72,75,76/Binding site: micellar substrate (Lys, Tyr, Tyr, Tyr) #status predicted

Query Match 13.4%; Score 79; DB 1; Length 112;  
 Best Local Similarity 28.4%; Pred. No. 0.52;  
 Matches 31; Conservative 9; Mismatches 45; Indels 24; Gaps 6;

QY 9 IMLLVTVDCAVITG-----ACERDVQCGAGTCCCAISLWLRGRLMCTPLGR 56  
 DB 5 LILLVGSVAVAAAPGPGRIIINLENGELCMNSAQC-KSNGCQHSAL-GLARCTSWASE 62

QY 57 GECHPGSHKVPFRKRKHHTCPCLPNLLCSRFPPDGRYRCSMDLKNI 105  
 DB 63 NSEC---SVKTYL---GIYKCPCEGTCTC-----EGDKTIIVGSITNTNF 101



## RESULT 6

A56175  
adhesive plaque protein Mgf2 precursor - Mediterranean mussel  
C:Species: Mytilus galloprovincialis (Mediterranean mussel)  
C>Date: 27-Apr-1995 #sequence\_revision 03-Oct-1995 #text\_change 21-Jul-2003  
C:Accession: A56175  
R:Inoue, K.; Takeuchi, Y.; Miki, D.; Odo, S.  
J. Biol. Chem. 270, 6698-6701, 1995  
A:Title: Mussel adhesive plaque protein gene is a novel member of epidermal growth factor  
A:Reference number: A56175; MUID:95204464; PMID:7896812  
A:Accession: A56175  
A:Molecule type: mRNA  
A:Residues: 1-473 <INO>  
A:Cross-references: GB:D43794; NID:G602767; PIDN:BAA07852.1; PID:G602768  
C:Keywords: duplication  
F:1-17/Domain: signal sequence #status predicted <SIG>  
F:387-419/Domain: EGF homology <EGF1>  
F:429-460/Domain: EGF homology <EGF>  
F:23,36,43,56,75,382,424,455,468,473/Modified site: 3',4'-dihydroxyphenylalanine (Tyr) #

Query Match 13.2%; Score 77.5; DB 2; Length 473;  
Best Local Similarity 31.2%; Pred. No. 2.4;  
Matches 24; Conservative 11; Mismatches 23; Indels 19; Gaps 7;  
QY 26 CERDVOCGAGTCAISLWRLGRLMCTPLGREGECH-PGSHKVPFRKRKHHTC---PCL 81  
DB 117 CERXV-CSPNPC-----KNGKCSPLGKTGYKCTCGGYTGP---RCEVHACKPNPCK 165  
QY 82 PNLLCSRFPPDGR--YRC 96  
DB 166 NKGRG--FPDGKTGYKC 180

## RESULT 7

A55035  
cysteine-rich protein CRP1 - earthworm (Enchytraeus buchholzi)  
C:Species: Enchytraeus buchholzi  
C>Date: 14-Nov-1994 #sequence\_revision 03-Nov-1995 #text\_change 05-Nov-1999  
C:Accession: A55035  
R:Willuhn, J.; Schmitt-Wrede, H.P.; Greven, H.; Wunderlich, F.  
J. Biol. Chem. 269, 24688-24691, 1994  
A:Title: cDNA cloning of a cadmium-inducible mRNA encoding a novel cysteine-rich, non-me  
A:Reference number: A55035; MUID:95014230; PMID:7929141  
A:Accession: A55035  
A>Status: preliminary  
A:Molecule type: mRNA  
A:Residues: 1-251 <WIL>  
A:Cross-references: EMBL:X79344; NID:G488802; PIDN:CAA55899.1; PID:G488803  
C:Superfamily: ultra-high-sulfur keratin

Query Match 13.1%; Score 77; DB 2; Length 251;  
Best Local Similarity 30.9%; Pred. No. 1.6;  
Matches 25; Conservative 7; Mismatches 45; Indels 4; Gaps 3;  
QY 17 SDCAVITGACERDVOCGAGTCAISLWRLGRLMCTPLGREGECHPGSHKVPFRKRKH 76  
DB 77 SQCKCKEKGK--CKEG-CCAPKCGVAGCSGCKCKEKGCKEKGCTKRCGTCGVE 133

QY 77 TCPCLNLLCSRFPPDGRYRCS 97  
DB 134 DCPGPKCKEK-GDCKVNC 153

## RESULT 8

TL3954  
MEGF6 protein - rat  
C:Species: Rattus norvegicus (Norway rat)  
C>Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 21-Jul-2000  
C:Accession: TL3954  
R:Nakayama, M.; Nakajima, D.; Nagase, T.; Nomura, N.; Seki, N.; Ohara, O.  
Genomics 51, 27-34, 1998

A:Title: Identification of high-molecular-weight proteins with multiple EGF-like motifs  
A:Reference number: Z14126; MUID:98360089; PMID:9693030  
A:Accession: TL3954  
A>Status: preliminary; translated from GB/EMBL/DBJ  
A:Molecule type: mRNA  
A:Residues: 1-1574 <NAK>  
A:Cross-references: EMBL:AB011532; NID:G3449293; PIDN:BAA32462.1; PID:G3449294  
A:Experimental source: strain Sprague-Dawley; brain  
C:Genetics:  
A:Gene: MEGF6

Query Match 12.8%; Score 75.5; DB 2; Length 1574;  
Best Local Similarity 28.6%; Pred. No. 10;  
Matches 24; Conservative 6; Mismatches 33; Indels 21; Gaps 4;  
QY 19 CAVITGAC-----ERDVOCGAGTCAISLWRLGRLMCTPLGREGECHPGSHKVPFRXR 73  
DB 755 CHRVTGECLCPGKGTGDCGAD--CPESRNLGCGEICFACEHGASCNP----- 801  
QY 74 KHHTCPCLNLLCSRFPPDGRYRCS 97  
DB 802 ETGTCLCLPGFVGSRCQD---TCS 822

## RESULT 9

JC4861  
fertilin beta chain - human  
C:Species: Homo sapiens (man)  
C>Date: 15-Aug-1996 #sequence\_revision 18-Oct-1996 #text\_change 21-Jan-2000  
C:Accession: JC4861  
R:Gupta, S.K.; Alves, K.; O'Neil Palladino, L.; Mark, G.E.; Hollis, G.F.  
Biochem. Biophys. Res. Commun. 224, 318-326, 1996  
A:Title: Molecular cloning of the human fertilin beta subunit.  
A:Reference number: JC4861; MUID:96295488; PMID:8702389  
A:Accession: JC4861  
A:Molecule type: mRNA  
A:Residues: 1-734 <GUP>

A:Cross-references: GB:U38805; NID:G4151118; PIDN:AAD04206.1; PID:G4151119  
C:Comment: This protein is an integral sperm membrane glycoprotein, and plays a role in  
C:Superfamily: mouse metrin alpha; disintegrin homology  
C:Keywords: glycoprotein; integrin binding; transmembrane protein  
F:382-734/Product: fertilin beta chain #status predicted <NAT>  
F:382-467/Domain: disintegrin homology <DIS>  
F:448-450/Region: integrin binding #status predicted  
F:685-708/Domain: transmembrane #status predicted <TM>  
F:121,219,352,458,565/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 12.7%; Score 75; DB 2; Length 734;  
Best Local Similarity 28.8%; Pred. No. 6.2;  
Matches 21; Conservative 7; Mismatches 29; Indels 16; Gaps 3;

QY 15 TVSDCAVITGAC-----ERDVOCGAGTCAISLWRLGRLMCTPLGREGECHPGSHK 66  
DB 401 TEQCALIGETCCDIATCRFKAGSNCAEGCCENCLFMSKERMCRP---SFECC---D 452  
QY 67 VPFRKRKHHTCP 79  
DB 453 LPEYCNNGSSASC 465

## RESULT 10

S45306  
notch 3 protein - mouse  
C:Species: Mus musculus (house mouse)  
C>Date: 20-Feb-1995 #sequence\_revision 20-Feb-1995 #text\_change 02-Aug-2002  
C:Accession: S45306  
R:Lardelli, M.; Dahlstrand, J.; Lendahl, U.  
Mech. Dev. 46, 123-136, 1994

A:Title: The novel Notch homologue mouse Notch 3 lacks specific epidermal growth factor-  
A:Reference number: S45306; MUID:95001556; PMID:7918097  
A:Accession: S45306  
A>Status: preliminary  
A:Molecule type: mRNA

A;Residues: 1-2318 <LAR>

A;Cross-references: EMBL:X74760; NID:g483580; PIDN:CAA52776.1; PID:ig483581

C;Superfamily: notch protein; ankyrin repeat homology; EGF homology

F;163-195/Domain: EGF homology <EGF1>

F;474-505/Domain: EGF homology <EGF>

F;854-885/Domain: EGF homology <EGF2>

F;1839-1871/Domain: ankyrin repeat homology <AN1>

F;1872-1904/Domain: ankyrin repeat homology <AN2>

F;1906-1938/Domain: ankyrin repeat homology <AN3>

F;1939-1971/Domain: ankyrin repeat homology <AN4>

F;1972-2004/Domain: ankyrin repeat homology <AN5>

Query Match 12.7%; Score 75; DB 2; Length 2318;

Best Local Similarity 28.1%; Pred. No. 16;

Matches 25; Conservative 5; Mismatches 25; Indels 34; Gaps 5;

19 CAVITACERDVCGAGTCCCAISLWRLGRLMCTPLGREGEEC-----60

Db 1287 CERVASC-RELQCPVIPCQQT--ARGPRCACPGLSGSCRSVSPSGATNASCASA 1343

QY 61 ---HPGS-----HKVPFRKRKHHTCPLCP 82

Db 1344 PCLHGSCLEFVQSVPPFR-----CVCAP 1366

#### RESULT 11

T31070

notch homolog - sea urchin (Lytechinus variegatus)

C;Species: Lytechinus variegatus (variegated urchin)

C;Date: 22-Oct-1999 #sequence\_revision 22-Oct-1999 #text\_change 31-Jan-2000

C;Accession: T31070

R;Sherwood, D.R.; McClay, D.R.

Development 124, 3363-3374, 1997

A;Title: Identification and localization of a sea urchin Notch homologue: insights into

A;Reference number: Z20966; MUID:97454256; PMID:9310331

A;Status: preliminary; translated from GB/EMBL/DDBJ

A;Molecule type: mRNA

A;Residues: 1-2531 <SHE>

A;Cross-references: EMBL:AF00634; NID:g2570350; PID:g2570351; PIDN:AAB82088.1

C;Superfamily: notch protein; ankyrin repeat homology; EGF homology

Query Match 12.7%; Score 75; DB 2; Length 2531;

Best Local Similarity 29.9%; Pred. No. 17;

Matches 23; Conservative 8; Mismatches 32; Indels 14; Gaps 5;

22 ITGACERDVCGAGTCCAI--SLWRLGRLMCTPLGREGEECHPGSHKVPFRKRKHHTCP 79

Db 120 VDNVCKLEPCQNGTGLRTLSLWDYEC-FCIP-ANTGENCTDDNHCV-----SNP 168

QY 80 CLPNLLCSRFPGDGYRC 96

Db 169 CLNGAVCTSSSDG-YSC 184

#### RESULT 12

I51909

colipase precursor - rat

N;Alternate names: procolipase

C;Species: Rattus norvegicus (Norway rat)

C;Date: 26-Jul-1996 #sequence\_revision 26-Jul-1996 #text\_change 20-Apr-2000

C;Accession: I51909; A34623

R;Payne, R.M.; Sims, H.F.; Jennens, M.L.; Lowe, M.E.

Am. J. Physiol. 266, G914-G921, 1994

A;Title: Rat pancreatic lipase and two related proteins: enzymatic properties and mRNA

A;Reference number: I51909; MUID:94262798; PMID:8203536

A;Accession: I51909

A;Status: preliminary; translated from GB/EMBL/DDBJ

A;Molecule type: mRNA

A;Residues: 1-112 <FAY>

A;Cross-references: GB:M58370; NID:g203504; PIDN:AAA20505.1; PID:g203505

R;Wicker, C.; Puigserver, A.

Biochem. Biophys. Res. Commun. 167, 130-136, 1990

A;Title: Rat pancreatic colipase mRNA: nucleotide sequence of a cDNA clone and nutritione

A;Reference number: A34623; MUID:90179738; PMID:2129524

A;Accession: A34623

A;Status: preliminary

A;Molecule type: mRNA

A;Residues: 1-17, 'V', 19-112 <WTC>

A;Cross-references: GB:M33333; NID:g203502; PIDN:AAA40943.1; PID:g203503

C;Superfamily: colipase

C;Keywords: lipid digestion; lipid hydrolysis; pancreas

F;1-17/Domain: signal sequence #status predicted <SIG>

F;18-112/Product: colipase #status predicted <MAT>

Query Match 12.6%; Score 74; DB 2; Length 112;

Best Local Similarity 25.8%; Pred. No. 1.7;

Matches 24; Conservative 10; Mismatches 39; Indels 20; Gaps 4;

QY 6 RVSIMLLLVTVSDCAVITG-----ACERDVCGAGTCCCAISLWRLGRLMCTPL 53

Db 2 KVLVLLVLTVAAYAAPGPRGLFINLEGEICVNSMQC-KSRCCQHDITL-GIARCTHK 59

QY 54 GREGECHPGSHKVPFRKRKHHTCPLPNLLC 86

Db 60 AMENSECSPKTLXGIYVR-----CPCERGLTC 86

#### RESULT 13

T27283

hypothetical protein Y64G10A.f - Caenorhabditis elegans

C;Species: Caenorhabditis elegans

C;Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 15-Oct-1999

C;Accession: T27283

R;Ainscough, R.

submitted to the EMBL Data Library, September 1999

A;Reference number: Z20336

A;Accession: T27283

A;Status: preliminary; translated from GB/EMBL/DDBJ

A;Molecule type: DNA

A;Residues: 1-1620 <MIL>

A;Cross-references: EMBL:AL110498; NID:e1542303; PIDN:CAB54471.1; CESP:Y64G10A.f

A;Experimental source: clone Y64G10A

A;Genetics:

A;Gene: CESP:Y64G10A.f

A;Introns: 77/1; 116/1; 198/1; 282/1; 365/1; 425/1; 466/1; 548/1; 559/1; 601/1; 625/1; 71

Query Match 12.6%; Score 74; DB 2; Length 1620;

Best Local Similarity 27.5%; Pred. No. 15;

Matches 22; Conservative 4; Mismatches 16; Indels 38; Gaps 4;

QY 16 VSDCAVITGACERDVCGAG-----TCCAISLWRLGRLMCTPLGREGEECHPGSHKVP 68

Db 1114 VARCDHVTGEC---RCPAGWTGPDQOTSC-----PLGRHGECC----- 1148

QY 69 FFRKRKHHTCPLPNLLCSR 88

Db 1149 -----RHSCQCSNGASCDR 1162

#### RESULT 14

A35356

tumor necrosis factor receptor 2 precursor (validated) - human

N;Alternate names: 75K tumor necrosis factor receptor; TNF receptor type 2

C;Species: Homo sapiens (man)

C;Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 27-Oct-2003

C;Accession: A35356; A34475; A36007; A36666; B35010; I38094

R;Smith, C.A.; Davis, T.; Anderson, D.; Solam, L.; Beckmann, M.P.; Jerzy, R.; Dower, S.K.

Science 248, 1019-1023, 1990

A;Title: A receptor for tumor necrosis factor defines an unusual family of cellular and

A;Reference number: A35356; MUID:90260639; PMID:2160731

A;Accession: A35356

A;Status: preliminary

A;Molecule type: mRNA

A;Residues: 1-461 <SMI>

A;Cross-references: GB:M32315; NID:g189185; PIDN:AAA59929.1; PID:g189186

R;Kohn, T.; Brewer, M.T.; Baker, S.L.; Schwartz, F.E.; King, M.W.; Hale, K.K.; Squires, Proc. Natl. Acad. Sci. U.S.A. 87, 8331-8335, 1990  
A>Title: A second tumor necrosis factor receptor gene product can shed a naturally occurring  
A;Reference number: A36475; MUID:91045991; PMID:2172983  
A;Accession: A36475  
A>Status: preliminary  
A;Molecule type: mRNA  
A;Residues: 1-195; 'R', 197-461 <KOH>  
A;Cross-references: GB:M55994; GB:M38549; NID:G339757; PIDN:AAA36755.1; PID:G339758  
R;Dembic, Z.; Loetscher, H.; Gubler, U.; Pan, Y.C.; Lahm, H.W.; Gentz, R.; Brockhaus, M. Cytochrome 2, 231-237, 1990  
A>Title: Two human TNF receptors have similar extracellular, but distinct intracellular, A;Reference number: A48416; MUID:91370690; PMID:1966549  
A;Accession: A48416  
A>Status: preliminary  
A;Molecule type: mRNA; protein  
A;Residues: 23-461 <DEM>  
A;Cross-references: GB:S63368; NID:G235648; PIDN:AA19824.1; PID:G235649  
A>Note: sequence extracted from NCBI backbone (NCBIN:63368, NCBI:P:63371)  
R;Heiler, R.A.; Song, K.; Onasch, M.A.; Fischer, W.H.; Chang, D.; Ringold, G.M. Proc. Natl. Acad. Sci. U.S.A. 87, 6151-6155, 1990  
A>Title: Complementary DNA cloning of a receptor for tumor necrosis factor and demonstra A;Reference number: A36007; MUID:90349572; PMID:2166946  
A;Accession: A36007  
A>Status: preliminary  
A;Molecule type: mRNA  
A;Residues: 116-140, 'P', 142-195, 'R', 197-362, 'T', 364-461 <HEL>  
A;Cross-references: GB:M35857; NID:G339751; PIDN:AA63262.1; PID:G339752  
R;Loetscher, H.; Schlaeger, E.J.; Lahm, H.W.; Pan, Y.C.E.; Lesslauer, W.; Brockhaus, M. J. Biol. Chem. 265, 20131-20138, 1990  
A>Title: Purification and partial amino acid sequence analysis of two distinct tumor nec A;Reference number: A3666; MUID:91056048; PMID:2173696  
A;Accession: A3666  
A>Status: preliminary  
A;Molecule type: protein  
A;Residues: 23-40; 65-69; 136-141; 300-306 <LOE>  
R;Engelmann, H.; Novick, D.; Wallach, D. J. Biol. Chem. 265, 1531-1536, 1990  
A>Title: Two tumor necrosis factor-binding proteins purified from human urine. Evidence A;Reference number: A35010; MUID:90110215; PMID:2153136  
A;Accession: B35010  
A>Status: preliminary  
A;Molecule type: protein  
A;Residues: 27-31 <ENG>  
R;Kuhmert, P.; Kemper, O.; Wallach, D. Gene 150, 381-386, 1994  
A>Title: Cloning, sequencing and partial functional characterization of the 5' region of A;Reference number: I38094; MUID:95121834; PMID:7821811  
A;Accession: I38094  
A>Status: preliminary; translated from GB/EMBL/DBJ  
A;Molecule type: DNA  
A;Residues: 1-37 <RES>  
A;Cross-references: EMBL:X80021; NID:G666044; PIDN:CAA56324.1; PID:G825701  
C;Genetics:  
A;Gene: GDB:TNFR2  
A;Cross-references: GDB:I25914; OMIM:191191  
A;Map position: lp36.2-1p36.2  
A;Introns: 26/3  
C>Note: the list of introns is incomplete  
C;Superfamily: tumor necrosis factor receptor type 2 (TNFR2); NGF receptor repeat homolo C;Keywords: duplication; glycoprotein; receptor; transmembrane protein  
F;1-22/Domain: signal sequence #status predicted <SIG>  
F;23-416/Product: tumor necrosis factor receptor 2 #status experimental <MAT>  
F;40-76/Domain: NGF receptor repeat homology <NG1>  
F;78-119/Domain: NGF receptor repeat homology <NG2>  
F;120-162/Domain: NGF receptor repeat homology <NG3>  
F;164-201/Domain: NGF receptor repeat homology <NG4>  
F;262-279/Domain: transmembrane #status predicted <TMN>  
F;280-461/Domain: intracellular #status predicted <INT>  
F;171,193/Binding site: carbohydrate (Asn) (covalent) #status predicted

Matches 28; Conservative 8; Mismatches 29; Indels 30; Gaps 6;  
QY 17 SDCA---VITGACERD---VOCGAGTCCALSLWLRGMCPL-----GREGEF- 59  
Db 98 SRCSSDQVETQACTREONRICTRCFGWYCALSK-CEGCRCLCAPLRKCRPGFGVAPGTET 156  
QY 60 -----CHPGSHKVPFPRKRGHTCPCLNLLCS 87  
Db 157 SDVVCKPCAPGT-----FSNTTSSDIDICPHOICN 186  
RESULT 15  
S14458  
laminin alpha-1 chain precursor - human  
C;Species: Homo sapiens (man)  
C;Date: 30-Sep-1991 #sequence\_revision 30-Sep-1991 #text\_change 19-Jan-2001  
C;Accession: S14458; S14663; A34961  
R;Haaparanta, T.; Uitto, J.; Ruoslahti, E.; Engvall, E. Matrix 11, 151-160, 1991  
A>Title: Molecular cloning of the cDNA encoding human laminin A chain.  
A;Reference number: S14458; MUID:91333420; PMID:1714537  
A;Accession: S14458  
A>Status: not compared with conceptual translation  
A;Molecule type: mRNA  
A;Residues: 1-3075 <HAA>  
R;Nissinen, M.; Vuolteenaho, R.; Boot-Handford, R.; Kallunki, P.; Tryggvason, K. Biochem. J. 276, 369-379, 1991  
A>Title: Primary structure of the human laminin A chain. Limited expression in human tiss A;Reference number: S14663; MUID:91264789; PMID:2049067  
A;Accession: S14663  
A;Molecule type: mRNA  
A;Residues: 1-227, 'FE', 230-251, 'MLP', 255-418, 'E', 420-518, 'L', 520-1022, 'V', 1024-1074, 'V', J A;Cross-references: EMBL:X58531; NID:G34225; PIDN:CAA41418.1; PID:G34226  
R;Olson, D.; Nagayoshi, T.; Fazio, M.; Peltonen, J.; Jaakkola, S.; Sanborn, D.; Sasaki, J Lab. Invest. 60, 772-782, 1989  
A>Title: Human laminin: cloning and sequence analysis of cDNAs encoding A, B1 and B2 cha A;Reference number: A34961; MUID:89280632; PMID:2733383  
A;Accession: A34961  
A>Status: not compared with conceptual translation  
A;Molecule type: mRNA  
A;Residues: 'W', 2397-2745, 'L', 2747-3053, 'L', 3055-3072, 'PSP', <OLS>  
A;Note: the authors translated the codon AGA for residue 2692 as Pro  
C;Genetics:  
A;Gene: GDB:LAMAL; LAMA  
A;Cross-references: GDB:120135; OMIM:150320  
A;Map position: 18p11.32-18p11.22  
C;Superfamily: laminin alpha-1 chain; laminin G repeat homology; laminin-type EGF-like ho C;Keywords: basement membrane; calcium binding; cell binding; coiled coil; disulfide bon C;F;1-17/Domain: signal sequence #status predicted <SIG>  
F;18-3075/Product: laminin alpha-1 chain #status predicted <MAT>  
F;18-269/Domain: VI <DOM6>  
F;270-516/Domain: V <DOM5>  
F;327-394/Domain: laminin-type EGF-like homology <LE1>  
F;397-451/Domain: laminin-type EGF-like homology <LE2>  
F;454-500/Domain: laminin-type EGF-like homology <LE3>  
F;503-512/Domain: laminin-type EGF-like homology <LE4>  
F;517-708/Domain: laminin-type EGF-like homology <LE5>  
F;709-1159/Domain: IIVB <DO4B>  
F;709-739/Domain: laminin-type EGF-like homology #status atypical <LE6>  
F;742-788/Domain: laminin-type EGF-like homology <LE7>  
F;791-848/Domain: laminin-type EGF-like homology <LE8>  
F;849-899/Domain: laminin-type EGF-like homology <LE9>  
F;902-948/Domain: laminin-type EGF-like homology <LE10>  
F;951-995/Domain: laminin-type EGF-like homology <LE11>  
F;998-1041/Domain: laminin-type EGF-like homology <LE12>  
F;1044-1087/Domain: laminin-type EGF-like homology <LE13>  
F;1090-1109/Domain: laminin-type EGF-like homology #status atypical <LE14>  
F;1101-1147/Domain: laminin-type EGF-like homology #status atypical <LE15>  
F;1150-1159/Domain: laminin-type EGF-like homology #status atypical <LE16>  
F;1160-1361/Domain: laminin-type EGF-like homology #status atypical <LE17>  
F;1362-1553/Domain: IIVB <DO4A>  
F;1362-1400/Domain: laminin-type EGF-like homology #status atypical <LE18>

Query Match 12.4%; Score 73; DB 1; Length 461;  
Best Local Similarity 29.5%; Pred. No. 6.7;

F;1403-1449/Domain: laminin-type EGF-like homology <LE18>  
F;1452-1506/Domain: laminin-type EGF-like homology <LE19>  
F;1509-1553/Domain: laminin-type EGF-like homology <LE20>  
F;1554-2125/Domain: I/II, heptad repeats <DOM2>  
F;2116-2120/Region: cell adhesion #status predicted  
F;2126-3075/Domain: G <DOMG>  
F;2142-2300/Domain: laminin G repeat homology <LG1>  
F;2329-2484/Domain: laminin G repeat homology <LG2>  
F;2510-2676/Domain: laminin G repeat homology <LG3>  
F;2534-2536/Region: cell attachment (R-G-D) motif  
F;2739-2888/Domain: laminin G repeat homology <LG4>  
F;2916-3073/Domain: laminin G repeat homology <LG5>  
F;38,164,555,665,763,801,838,926,952,1045,1407,1579,1596,1678,1689,1698,1717,1804,1894,1  
rate (Asn) (covalent) #status predicted  
F;297-305/Disulfide bonds: #status predicted

Query Match 12.4%; Score 73; DB 2; Length 3075;  
Best Local Similarity 23.0%; Pred. No. 32;  
Matches 23; Conservative 10; Mismatches 35; Indels 32; Gaps 4;

QY 19 CAVITGACERDVQCGAGTCCATSLWRLGLMCTPL-----GREGECH-----P 62  
Db 1056 CDVVTGHCCKSKFGGRACDQCSGLGYRDPFDCVPCDCLRGTSGDACNLQGLGCGVEET 1115

QY 63 GSHKVPFFRRKHHTCPCLPPLL---CSRFPDGRVRCMD 99  
Db 1116 GA-----CPCKENVGPQCNECREGTALRAD 1142

Search completed: August 30, 2004, 06:47:49  
Job time : 40 secs

Title: GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 30, 2004, 06:38:38 ; Search time 23 Seconds  
(without alignments)  
237.712 Million cell updates/sec

Title: US-10-027-603-2

Perfect score: 589  
Sequence: 1 MRGATRVSMILLVTVSDCA.....CSRFPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 141681 seqs, 52070155 residues

Total number of hits satisfying chosen parameters: 141681

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : SwissProt\_42\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	589	100.0	105	1 PRK1_HUMAN	P58294 homo sapien
2	545	92.5	105	1 PRK1_RAT	Q8r414 rattus norv
3	310.5	52.7	81	1 VPRA_DENPO	P25687 dendroaspis
4	298	50.6	107	1 PRK2_RAT	Q8r413 rattus norv
5	287.5	48.8	96	1 BV8_BOWVA	Q9pw66 bombina var
6	282.5	48.0	129	1 PRK2_HUMAN	Q9hc23 homo sapien
7	277.5	47.1	128	1 PRK2_MOUSE	Q9qxu7 mus musculu
8	107.5	18.3	224	1 DKX4_HUMAN	Q9ubt3 homo sapien
9	107.5	18.3	350	1 DKX3_CHICK	Q90839 gallus gall
10	102	17.3	259	1 DKX2_HUMAN	Q9ubu2 homo sapien
11	101	17.1	259	1 DKX2_MOUSE	Q9qy28 mus musculu
12	101	17.1	272	1 DKX1_MOUSE	O54908 mus musculu
13	100.5	17.1	350	1 DKX3_HUMAN	Q9ubp4 homo sapien
14	98.5	16.7	349	1 DKX3_MOUSE	Q9qun9 mus musculu
15	97	16.5	266	1 DKX1_HUMAN	Q94907 homo sapien
16	90.5	15.4	425	1 CND0_MOUSE	Q8bu04 mus musculu
17	85	14.4	107	1 COL_RABIT	P42890 oryctolagus
18	82.5	14.0	425	1 CND0_HUMAN	Q8r806 homo sapien
19	81	13.8	1964	1 NT04_MOUSE	P31695 mus musculu
20	79.5	13.5	704	1 FB11_CHICK	O73775 gallus gall
21	78	13.4	112	1 COL_HUMAN	P04118 homo sapien
22	78	13.2	70	1 CX2X_CONBE	Q9u323 conus betul
23	77.5	13.2	473	1 FP2_MYTGA	Q25464 mytilus gal
24	75	12.7	490	1 TMS2_MOUSE	Q9j1q8 mus musculu
25	75	12.7	735	1 AD02_HUMAN	Q95965 homo sapien
26	75	12.7	1581	1 LM03_MOUSE	Q9r0b6 mus musculu
27	75	12.7	2003	1 NT04_HUMAN	Q99466 homo sapien
28	75	12.7	2318	1 NT03_MOUSE	Q61982 mus musculu
29	75	12.7	2319	1 NT03_RAT	Q9r172 rattus norv
30	74.5	12.6	111	1 COL_MOUSE	Q9qcq2 mus musculu
31	74	12.6	111	1 COL_SPEPR	Q9ix17 spermophilu
32	74	12.6	112	1 COL_RAT	P17084 rattus norv
33	73.5	12.5	2715	1 MLL1_HUMAN	Q9um66 homo sapien

## ALIGNMENTS

## RESULT 1

ID	PRK1_HUMAN	STANDARD;	PRT;	105 AA.
AC	P58294;			
DT	16-OCT-2001 (Rel. 40, Created)			
DT	16-OCT-2001 (Rel. 40, Last sequence update)			
DT	28-FEB-2003 (Rel. 41, Last annotation update)			
DE	Prokineticin 1 precursor (Endocrine-gland-derived vascular endothelial growth factor) (EG-VEGF) (Mambakine).			
GN	PROKL.			
OS	Homo sapiens (Human).			
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.			
OX	NCBI_TaxID=9606;			
RN	[1]			
RP	SEQUENCE FROM N.A.			
RX	MEDLINE=21150229; PubMed=11959612;			
RA	Li M., Bullock C.M., Knauer D.J., Ehler F.J., Zhou Q.Y.;			
RT	"Identification of two prokineticin cDNAs: recombinant proteins			
RT	potently contract gastrointestinal smooth muscle.";			
RL	Mol. Pharmacol. 59:692-698(2001).			
RN	[2]			
RP	SEQUENCE FROM N.A.			
RX	MEDLINE=21419730; PubMed=11528470;			
RA	LeCouter J., Kowalski J., Foster J., Hass P., Zhang Z.,			
RA	Dillard-Telm L., Frantz G., Rangell L., Deguzman L., Keller G.-A.,			
RA	Peale F., Gurney A., Hillan K.J., Ferrara N.;			
RT	"Identification of an angiogenic mitogen selective for endocrine gland			
RT	endothelium.";			
RL	Nature 412:877-884(2001).			
RN	[3]			
RP	SEQUENCE FROM N.A.			
RA	Fraser C.;			
RT	"Mambakine, a snake venom related endocrine hormone that controls			
RT	macrophages.";			
RL	Submitted (APR-2001) to the EMBL/GenBank/DBJ databases.			
CC	-!- FUNCTION: Potently contract gastrointestinal (GI) smooth muscle.			
CC	Induces proliferation, migration and fenestration (the formation			
CC	of membrane discontinuities) in capillary endothelial cells			
CC	derived from endocrine glands. Has little or no effect on a			
CC	variety of other endothelial and non-endothelial cell types.			
CC	-!- SUBCELLULAR LOCATION: Secreted.			
CC	-!- TISSUE SPECIFICITY: Expressed in the steroidogenic glands, ovary,			
CC	testis, adrenal and placenta.			
CC	-!- SIMILARITY: Belongs to the prokineticin family.			
CC	-----			
CC	This SWISS-PROT entry is copyright. It is produced through a collaboration			
CC	between the Swiss Institute of Bioinformatics and the EMBL outstation -			
CC	the European Bioinformatics Institute. There are no restrictions on its			
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CC	entities requires a license agreement (See <a href="http://www.isb-sib.ch/announce/">http://www.isb-sib.ch/announce/</a>			
CC	or send an email to <a href="mailto:license@isb-sib.ch">license@isb-sib.ch</a> ).			
CC	-----			
DR	EMBL; AF333024; AAK49918.1; -			
DR	EMBL; AY029225; AAK33111.1; -			

Q920w1 mus musculu  
P20333 homo sapien  
Q9tv36 sus scrofa  
P25391 homo sapien  
P98133 bos taurus  
P35555 homo sapien  
P15215 drosophila  
P25977 cavia porce  
P23142 homo sapien  
Q95116 bos taurus  
P35440 gallus gall  
P28799 h granulins

34 73 12.4 417 1 TRI6\_MOUSE  
35 73 12.4 461 1 TRIB\_HUMAN  
36 73 12.4 2871 1 FBNI\_PIG  
37 73 12.4 3075 1 LMA1\_HUMAN  
38 72.5 12.3 2871 1 FBNI\_BOVIN  
39 72.5 12.3 2871 1 FBNI\_HUMAN  
40 72 12.2 1639 1 LMGI\_DROME  
41 71.5 12.1 591 1 GRN\_CAVPO  
42 71.5 12.1 703 1 FBNI\_HUMAN  
43 71.5 12.1 1170 1 TSP2\_BOVIN  
44 71.5 12.1 1178 1 TSP2\_CHICK  
45 71 12.1 593 1 GRN\_HUMAN

```
DR Genew; HGNC:18454; PROK1.
DR MIM; 606233; -.
KW Mitogen; Growth factor; Signal.
FT SIGNAL 1 19 BY SIMILARITY.
FT CHAIN 20 105 PROKINETICIN 1.
FT DISULFID 26 38 BY SIMILARITY.
FT DISULFID 32 50 BY SIMILARITY.
FT DISULFID 37 78 BY SIMILARITY.
FT DISULFID 60 86 BY SIMILARITY.
FT DISULFID 80 96 BY SIMILARITY.
SQ SEQUENCE 105 AA; 11715 MW; C7E3FD305FB416A CRC64;

Query Match 100.0%; Score 589; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.1e-54;
Matches 105; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60

QY 61 HPGSHKVPFRKXKHTCTCLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFRKXKHTCTCLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 2
PRKI_RAT PRKI_RAT STANDARD; PRT; 105 AA.
AC Q6R414;
DT 10-OCT-2003 (Rel. 42, Created)
DT 10-OCT-2003 (Rel. 42, Last sequence update)
DE Prokineticin 1 precursor (Endocrine-gland-derived vascular endothelial
DE growth factor) (EG-VEGF).
GN PROK1.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]_
RP SEQUENCE FROM N.A.
RC STRAIN=Sprague-Dawley;
RX MEDLINE=22050031; PubMed=12054613;
RA Masuda Y., Takatsu Y., Terao Y., Kumano S., Ishibashi Y., Suenaga M.,
RA Abe M., Fukusumi S., Watanabe T., Shintani Y., Yamada T., Hinuma S.,
RA Inatomi N., Ohtaki T., Onda H., Fujino M.;
RT "Isolation and identification of EG-VEGF/prokineticins as cognate
RT ligands for two orphan G-protein-coupled receptors.";
RL Biochem. Biophys. Res. Commun. 293:396-402(2002).
CC -!- FUNCTION: Potentially contract gastrointestinal (GI) smooth muscle.
CC Induces proliferation, migration and fenestration (the formation
CC of membrane discontinuities) in capillary endothelial cells
CC derived from endocrine glands. Has little or no effect on a
CC variety of other endothelial and non-endothelial cell types (By
CC similarity).
CC -!- SUBCELLULAR LOCATION: Secreted (By similarity).
CC -!- SIMILARITY: Belongs to the prokinectin family.
-----
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-----
DR EMBL; AY089983; AAM09104.1; -.
KW Mitogen; Growth factor; Signal.
FT SIGNAL 1 19 POTENTIAL.
FT CHAIN 20 105 PROKINETICIN 1.
FT DISULFID 26 38 BY SIMILARITY.
FT DISULFID 32 50 BY SIMILARITY.
FT DISULFID 37 78 BY SIMILARITY.
```

```
FT DISULFID 60 86 BY SIMILARITY.
FT DISULFID 80 96 BY SIMILARITY.
SQ SEQUENCE 105 AA; 11642 MW; 8DFOC42122B1CSB6 CRC64;

Query Match 92.5%; Score 545; DB 1; Length 105;
Best Local Similarity 89.5%; Pred. No. 7.5e-50;
Matches 94; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60
Db 1 MRGAVQVFIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRLLCTPLGREGEC 60

QY 61 HPGSHKVPFRKXKHTCTCLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKIPFRKQHQHTCTCPSLLCSRPDPGRYRCSDQLKNVF 105

RESULT 3
VPRA_DENPO VPRA_DENPO STANDARD; PRT; 81 AA.
AC P25687;
DT 01-MAY-1992 (Rel. 22, Created)
DT 30-MAY-2000 (Rel. 39, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Intestinal toxin 1 (MIT 1) (MIT1) (Venom protein A).
OS Dendroaspis polylepsis polylepsis (Black mamba).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Elapidae; Serpentes; Colubroidea;
OC Elapidae; Elapinae; Dendroaspis.
OX NCBI_TaxID=8620;
RN [1]_
RP SEQUENCE.
RC TISSUE=Venom;
RX MEDLINE=81115818; PubMed=7461607;
RA Joubert F.J., Strydom D.J.;
RT "Snake venom. The amino acid sequence of protein A from Dendroaspis
RT polylepsis polylepsis (black mamba) venom.";
RL Hoppe-Seyler's Z. Physiol. Chem. 361:1787-1794(1980).
RN [2]_
RP CHARACTERIZATION.
RX MEDLINE=20036442; PubMed=10567694;
RA Schweitz H., Pascaud P., Diochot S., Moirier D., Lazdunski M.;
RT "MIT1, a black mamba toxin with a new and highly potent activity on
RT intestinal contraction.";
RL FEBS Lett. 461:183-188(1998).
RN [3]_
RP STRUCTURE BY NMR.
RC TISSUE=Venom;
RX MEDLINE=98437381; PubMed=9761684;
RA Boissouvier J., Albrand J.-P., Blackledge M., Jaquinod M.,
RA Schweitz H., Lazdunski M., Marion D.;
RT "A structural homologue of colipase in black mamba venom revealed by
RT NMR floating disulphide bridge analysis.";
RL J. Mol. Biol. 283:205-219(1998).
CC -!- FUNCTION: Potentially contract gastrointestinal (GI) smooth muscle.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the prokinectin family.
DR PDB; 1MT; 20-APR-99.
KW Toxin; 3D-structure.
FT DISULFID 7 19
FT DISULFID 13 31
FT DISULFID 18 60
FT DISULFID 41 68
FT DISULFID 62 78
FT DISULFID 73 73
FT VARIANT 18 18 C -> Q (IN PROTEIN A').
FT CONFLICT 18 18 C -> S (IN REF. 1).
FT CONFLICT 22 22 S -> C (IN REF. 1).
SQ SEQUENCE 81 AA; 8645 MW; 6C01368841572044 CRC64;

Query Match 52.7%; Score 310.5; DB 1; Length 81;
Best Local Similarity 62.8%; Pred. No. 1.1e-25;
Matches 49; Conservative 14; Mismatches 14; Indels 1; Gaps 1;
```



```
QY 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFRK-K-HHTC 78
Db 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFRK-K-HHTC 60
QY 79 PCPLNLLCSRFPDGRYRC 96
Db 61 PCAPNLACVQSPKFKC 78

RESULT 4
PRK2_RAT
ID PRK2_RAT STANDARD; PRT; 107 AA.
AC Q8R413;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DE Prokineticin 2 precursor (PK2).
GN PROK2.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-Sprague-Dawley;
RX MEDLINE=22050031; PubMed=12054613;
RA Masuda Y., Takatsu Y., Terao Y., Kumano S., Ishibashi Y., Suenaga M.,
RA Abe M., Fukusumi S., Watanabe T., Shintani Y., Yamada T., Hinuma S.,
RA Inatomi N., Ohtaki T., Onda H., Fujino M.;
RT "Isolation and identification of EG-VEGF/prokineticins as cognate
RT ligands for two orphan G-protein-coupled receptors.";
RL Biochem. Biophys. Res. Commun. 293:396-402(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN-Sprague-Dawley;
RX MEDLINE=2202134; PubMed=12024206;
RA Cheng M.Y., Bullock C.M., Li C., Lee A.G., Bernak J.C., Belluzzi J.,
RA Weaver D.R., Leslie F.M., Zhou Q.-Y.;
RT "Prokineticin 2 transmits the behavioural circadian rhythm of the
RT suprachiasmatic nucleus.";
RL Nature 417:403-410(2002).
CC -!- FUNCTION: May function as an output molecule from the
CC suprachiasmatic nucleus (SCN) that transmits behavioral circadian
CC rhythm. May also function locally within the SCN to synchronize
CC output. Potentially contracts gastrointestinal (GI) smooth muscle (By
CC similarity).
CC -!- SUBCELLULAR LOCATION: Secreted (By similarity).
CC -!- TISSUE SPECIFICITY: Expressed at high levels in testis and at
CC lower levels in brain, lung, ovary, spleen, thymus and uterus.
CC -!- INDUCTION: Activated by Clock and Bmal heterodimers and light;
CC inhibited by period genes (PER1, PER2 and PER3) and cryptochrome
CC genes (CRY1 and CRY2) (Probable).
CC -!- SIMILARITY: Belongs to the prokineticin family.
CC
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CC or send an email to license@sib-sib.ch).
CC
CC EMBL; AY089984; AA09105.1;
CC SIGNAL 1 26 POTENTIAL.
CC CHAIN 27 107 PROKINETICIN 2.
CC DISULFID 33 45 BY SIMILARITY.
CC DISULFID 39 57 BY SIMILARITY.
CC DISULFID 44 85 BY SIMILARITY.
CC DISULFID 67 93 BY SIMILARITY.
CC DISULFID 87 103 BY SIMILARITY.
CC SEQUENCE 107 AA; 11594 MW; BDF316DCB5FED0 CRC64;

Query Match 50.6%; Score 298; DB 1; Length 107;
PRK2_RAT
ID PRK2_RAT STANDARD; PRT; 107 AA.
AC Q8R413;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DE Prokineticin 2 precursor (PK2).
GN PROK2.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-Sprague-Dawley;
RX MEDLINE=22050031; PubMed=12054613;
RA Masuda Y., Takatsu Y., Terao Y., Kumano S., Ishibashi Y., Suenaga M.,
RA Abe M., Fukusumi S., Watanabe T., Shintani Y., Yamada T., Hinuma S.,
RA Inatomi N., Ohtaki T., Onda H., Fujino M.;
RT "Isolation and identification of EG-VEGF/prokineticins as cognate
RT ligands for two orphan G-protein-coupled receptors.";
RL Biochem. Biophys. Res. Commun. 293:396-402(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN-Sprague-Dawley;
RX MEDLINE=2202134; PubMed=12024206;
RA Cheng M.Y., Bullock C.M., Li C., Lee A.G., Bernak J.C., Belluzzi J.,
RA Weaver D.R., Leslie F.M., Zhou Q.-Y.;
RT "Prokineticin 2 transmits the behavioural circadian rhythm of the
RT suprachiasmatic nucleus.";
RL Nature 417:403-410(2002).
CC -!- FUNCTION: May function as an output molecule from the
CC suprachiasmatic nucleus (SCN) that transmits behavioral circadian
CC rhythm. May also function locally within the SCN to synchronize
CC output. Potentially contracts gastrointestinal (GI) smooth muscle (By
CC similarity).
CC -!- SUBCELLULAR LOCATION: Secreted (By similarity).
CC -!- TISSUE SPECIFICITY: Expressed at high levels in testis and at
CC lower levels in brain, lung, ovary, spleen, thymus and uterus.
CC -!- INDUCTION: Activated by Clock and Bmal heterodimers and light;
CC inhibited by period genes (PER1, PER2 and PER3) and cryptochrome
CC genes (CRY1 and CRY2) (Probable).
CC -!- SIMILARITY: Belongs to the prokineticin family.
CC
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CC or send an email to license@sib-sib.ch).
CC
CC EMBL; AY089984; AA09105.1;
CC SIGNAL 1 26 POTENTIAL.
CC CHAIN 27 107 PROKINETICIN 2.
CC DISULFID 33 45 BY SIMILARITY.
CC DISULFID 39 57 BY SIMILARITY.
CC DISULFID 44 85 BY SIMILARITY.
CC DISULFID 67 93 BY SIMILARITY.
CC DISULFID 87 103 BY SIMILARITY.
CC SEQUENCE 107 AA; 11594 MW; BDF316DCB5FED0 CRC64;

Query Match 50.6%; Score 298; DB 1; Length 107;
PRK2_HUMAN
ID PRK2_HUMAN STANDARD; PRT; 107 AA.
AC Q8R413;
DT 28-FEB-2003 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DE Prokineticin 2 precursor (PK2).
GN PROK2.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-Sprague-Dawley;
RX MEDLINE=22050031; PubMed=12054613;
RA Masuda Y., Takatsu Y., Terao Y., Kumano S., Ishibashi Y., Suenaga M.,
RA Abe M., Fukusumi S., Watanabe T., Shintani Y., Yamada T., Hinuma S.,
RA Inatomi N., Ohtaki T., Onda H., Fujino M.;
RT "Isolation and identification of EG-VEGF/prokineticins as cognate
RT ligands for two orphan G-protein-coupled receptors.";
RL Biochem. Biophys. Res. Commun. 293:396-402(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN-Sprague-Dawley;
RX MEDLINE=2202134; PubMed=12024206;
RA Cheng M.Y., Bullock C.M., Li C., Lee A.G., Bernak J.C., Belluzzi J.,
RA Weaver D.R., Leslie F.M., Zhou Q.-Y.;
RT "Prokineticin 2 transmits the behavioural circadian rhythm of the
RT suprachiasmatic nucleus.";
RL Nature 417:403-410(2002).
CC -!- FUNCTION: May function as an output molecule from the
CC suprachiasmatic nucleus (SCN) that transmits behavioral circadian
CC rhythm. May also function locally within the SCN to synchronize
CC output. Potentially contracts gastrointestinal (GI) smooth muscle (By
CC similarity).
CC -!- SUBCELLULAR LOCATION: Secreted (By similarity).
CC -!- TISSUE SPECIFICITY: Expressed at high levels in testis and at
CC lower levels in brain, lung, ovary, spleen, thymus and uterus.
CC -!- INDUCTION: Activated by Clock and Bmal heterodimers and light;
CC inhibited by period genes (PER1, PER2 and PER3) and cryptochrome
CC genes (CRY1 and CRY2) (Probable).
CC -!- SIMILARITY: Belongs to the prokineticin family.
CC
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CC or send an email to license@sib-sib.ch).
CC
CC EMBL; AY089984; AA09105.1;
CC SIGNAL 1 26 POTENTIAL.
CC CHAIN 27 107 PROKINETICIN 2.
CC DISULFID 33 45 BY SIMILARITY.
CC DISULFID 39 57 BY SIMILARITY.
CC DISULFID 44 85 BY SIMILARITY.
CC DISULFID 67 93 BY SIMILARITY.
CC DISULFID 87 103 BY SIMILARITY.
CC SEQUENCE 107 AA; 11594 MW; BDF316DCB5FED0 CRC64;

Query Match 50.6%; Score 298; DB 1; Length 107;
PRK2_HUMAN
```

```
Best Local Similarity 54.0%; Pred. No. 2.8e-24;
Matches 47; Conservative 16; Mismatches 24; Indels 0; Gaps 0;

QY 10 MLLLVTVSCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPF 69
Db 17 LLITPPAGDAAVITGACDKDSQCGGMCACCAVSWKYSIRICTPMGQVGSCHPLTRKVPF 76
QY 70 FRKRGHHTCPLNLLCSRFPDGRYRC 96
Db 77 WGRMRHTCPLCLPGLACLTSTFNRFTC 103

RESULT 5
BV8_BOMVA
ID BV8_BOMVA STANDARD; PRT; 96 AA.
AC Q9PW66;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Protein Bv8 precursor.
OS Bombina variegata (Yellow-bellied toad).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Archeobatrachia; Bombinatoridae; Bombina.
OX NCBI_TaxID=8348;
RN [1]
RP SEQUENCE FROM N.A., AND PARTIAL SEQUENCE.
RC TISSUE-Skin secretion.
RX MEDLINE=93349621; PubMed=10422759;
RA Molloy C., Wechselsberger C., Mignogna G., Negri L., Melchiorri P.,
RA Barra D., Kreil G.;
RT "Bv8, a small protein from frog skin and its homologue from snake
RT venom induce hyperalgesia in rats.";
RL Eur. J. Pharmacol. 374:189-196(1999).
CC -!- FUNCTION: Potently contract gastrointestinal (GI) smooth muscle.
CC Induces hyperalgesia.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the prokineticin family.
CC
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CC
CC EMBL; AF168790; AAD45816.1;
CC HSP; P25687; IIMT.
CC SIGNAL 1 19
CC CHAIN 20 96 PROTEIN BV8.
CC DISULFID 26 38 BY SIMILARITY.
CC DISULFID 32 50 BY SIMILARITY.
CC DISULFID 37 78 BY SIMILARITY.
CC DISULFID 60 86 BY SIMILARITY.
CC DISULFID 80 95 BY SIMILARITY.
CC SEQUENCE 96 AA; 10102 MW; A12490A7437609B4 CRC64;

Query Match 48.8%; Score 287.5; DB 1; Length 96;
Best Local Similarity 50.5%; Pred. No. 3.1e-23;
Matches 49; Conservative 18; Mismatches 29; Indels 1; Gaps 1;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECH 60
Db 1 MKCPAQIVLLLVIAVFGHGAIVTGACDKVQCGSGTGCCAAASAWSRNIRFCIPLNGSGDC 60
QY 61 HPGSHKVPFPRKRGHHTCPLNLLCSRFPDGRYRC 97
Db 61 HPASHKVPYDCKRLSSLCPCCKSLGTCKSGE-KFKCS 96

RESULT 6
PRK2_HUMAN
```

10 MLLLVTVSDCAVITGACERDVQCAGTCCASLWLRLGRLMCTPLRGEGECHPGSHK--- 66  
 :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|  
 Db LLLTPRAGDAAVITGACDKDSQCGGGMCCCAVSIVWKSIRITCTPWGKLGDSCHPLTRKNNF 77

67 -----VPPFRKRKHHTCPCLPNLLCSFPDPGRYRC 96  
 :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|  
 Db NGNGQQRKRKRKRKRKEVFFGRMRHHTCPCLPLGLACLATSTSNRFIC 125

RESULT 7  
 PRK2 MOUSE  
 ID PRK2 MOUSE STANDARD; PRT: 128 AA.  
 DT 16-OCT-2001 (Rel. 40, Created)  
 DT 16-OCT-2001 (Rel. 40, Last sequence update)  
 DT 16-OCT-2003 (Rel. 42, Last annotation update)  
 DE Prokineticin 2 precursor (PK2) (Protein Bv8 homolog).  
 DE PROK2 OR Bv8.  
 OS Mus musculus (Mouse).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 OC NCBI\_Taxid=10090;  
 [1]  
 RN SEQUENCE FROM N.A. (ISOFORMS 1 AND 2).  
 RR STRAIN=129/SV;  
 RR STRAIN=129/SV;  
 RR MEDLINE=20047850; PubMed=10580115;  
 RR Wechsberger C. C., Puglisi R., Lepperdinger G. G., Boitani C., Kreil G.;  
 RR "The mammalian homologue of Bv8 from frog skin is mainly expressed in  
 RR spermatoocytes.";  
 RR FEBS Lett. 462:177-181 (1999).  
 [2]  
 RN SEQUENCE FROM N.A. (ISOFORMS 1; 2 AND 3).  
 RR STRAIN=129/SVJ;  
 RR STRAIN=129/SVJ;  
 RR MEDLINE=20510004; PubMed=11054548;  
 RR Jilek A., Engel E., Beier D., Lepperdinger G.;  
 RR "Murine Bv8 gene maps near a synteny breakpoint of mouse chromosome 6  
 RR and human 3p21.";  
 RR Gene 256:189-195 (2000).  
 [3]  
 RN SEQUENCE FROM N.A. (ISOFORM 2), AND FUNCTION.  
 RR STRAIN=C57BL/6J;  
 RR MEDLINE=32022134; PubMed=12024206;  
 RR Cheng M.Y., Bullock C.M., Li C., Lee A.G., Bermak J.C., Belluzzi J.,  
 RR Weaver D.R., Leslie F.W., Zhou O.-Y.;  
 RR "Prokineticin 2 transmits the behavioural circadian rhythm of the  
 RR suprachiasmatic nucleus.";  
 RR Nature 417:405-410 (2002).  
 [4]  
 RN SEQUENCE FROM N.A. (ISOFORM 1).  
 RR STRAIN=C57BL/6J; TISSUE=Testis;  
 RR MEDLINE=21085660; PubMed=11217851;  
 RR Kawai J., Shingawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,  
 RR Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,  
 RR Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,  
 RR Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,  
 RR Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,  
 RR Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,  
 RR Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,  
 RR Schirral L.M., Straubli F., Suzuki R., Tomita M., Wagner L., Washio T.,  
 RR Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,  
 RR Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,  
 RR Brownstein S.J., Bull C., Fletcher C., Fujita M., Gariboldi M.,  
 RR Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,  
 RR Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,  
 RR Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,  
 RR Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,  
 RR Suzuki H., Toyooka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,  
 RR Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohsaki S.,  
 RR Hayashizaki Y.;  
 RR "Functional annotation of a full-length mouse cDNA collection.";  
 RR Nature 409:685-690 (2001).  
 -!- FUNCTION: May function as an output molecule from the

RA  
 Hayashizaki Y.;  
 "Functional annotation of a full-length mouse cDNA collection.";  
 RL  
 Nature 409:685-690 (2001).  
 CCC  
 -!- FUNCTION: May function as an output molecule from the



Matches 22; Conservative 5; Mismatches 32; Indels 3; Gaps 1;

QY 25 ACERDVQCGAGTCAISLWLRGLRMTCTPLGREGECHPGSHKVPFRKRKHHTCPLNLI 84  
 Db 144 SCRTFDCGFLCARHFW---TKICKPVLLEGQVCSRRGHKDTAQAPFQRCDCGFL 200  
 QY 85 LC 86  
 Db 201 LC 202

RESULT 9  
 DKK3\_CHICK  
 ID\_DKK3\_CHICK STANDARD; PRT; 350 AA.  
 AC Q00839;  
 DT 01-NOV-1997 (Rel. 35, Last sequence update)  
 DT 01-NOV-1997 (Rel. 35, Last sequence update)  
 DT 15-MAR-2004 (Rel. 43, Last annotation update)  
 DE Dickkopf related protein-3 precursor (Dkk-3) (Dickkopf-3) (Lens fiber protein CLFEST4).  
 DE protein CLFEST4).  
 GN DKK3.  
 OS Gallus gallus (Chicken).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae;  
 OC Gallus.  
 OX NCBI\_TaxID=9031;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=lens fibers;  
 RX MEDLINE=96437509; PubMed=8840185;  
 RA Sawada K., Agata K., Eguchi G.;  
 RT "Characterization of terminally differentiated cell state by categorizing cDNA clones derived from chicken lens fibers.";  
 RL Int. J. Dev. Biol. 40:531-535(1996).  
 CC -!- FUNCTION: Inhibitor of Wnt signaling pathway (By similarity).  
 CC -!- SUBCELLULAR LOCATION: Secreted (Potential).  
 CC -!- TISSUE SPECIFICITY: Expressed in eye lens.  
 CC -!- SIMILARITY: Belongs to the dickkopf family.  
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 CC  
 DR EMBL; D26311; BAA05373.1; -;  
 DR HSP; P25687; ILMT.  
 DR InterPro; IPR006796; dickkopf\_N.  
 DR Pfam; PF04706; dickkopf\_N; 1.  
 KW Developmental protein; Signal; Wnt signaling pathway; Glycoprotein.  
 FT SIGNAL 1 29 POTENTIAL.  
 FT CHAIN 30 350 DICKKOPF RELATED PROTEIN-3.  
 FT DOMAIN 139 187 DKK-TYPE CYS-1.  
 FT DOMAIN 200 277 DKK-TYPE CYS-2.  
 FT CARBOHYD 88 88 N-LINKED (GLCNAC. . .) (POTENTIAL).  
 FT CARBOHYD 98 98 N-LINKED (GLCNAC. . .) (POTENTIAL).  
 FT CARBOHYD 113 113 N-LINKED (GLCNAC. . .) (POTENTIAL).  
 FT CARBOHYD 196 196 N-LINKED (GLCNAC. . .) (POTENTIAL).  
 FT CARBOHYD 282 282 N-LINKED (GLCNAC. . .) (POTENTIAL).  
 SQ SEQUENCE 350 AA; 39208 MW; 57BE7ED850089DAE CRC64;  
 Query Match 18.3%; Score 107.5; DB 1; Length 350;  
 Best Local Similarity 35.8%; Pred. No. 0.0049;  
 Matches 24; Conservative 5; Mismatches 31; Indels 7; Gaps 2;

QY 26 CERDVQCGAGTCAISLWLRGLRMTCTPLGREGECHPGSHKVPFRKRKHHTCPC 79  
 Db 200 CENQHDNCFTCAFCQKELL-FPVCTPLPEEGPCHDPSNLLNLTWELEPDGVLRC 259  
 QY 80 CLPNLIC 86

Db 259 CASGLIC 265

RESULT 10  
 DKK2\_HUMAN  
 ID\_DKK2\_HUMAN STANDARD; PRT; 259 AA.  
 AC Q9UBU2; Q9UIU3;  
 DT 16-OCT-2001 (Rel. 40, Created)  
 DT 16-OCT-2001 (Rel. 40, Last sequence update)  
 DT 15-MAR-2004 (Rel. 43, Last annotation update)  
 DE Dickkopf related protein-2 precursor (Dkk-2) (Dickkopf-2).  
 GN DKK2.  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 OX NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=Fetal lung;  
 RX MEDLINE=20035735; PubMed=10570958;  
 RA Krupnik V.E., Sharp J.D., Jiang C., Robison K., Chickering T.W.,  
 RA Amaravadi L., Brown D.E., Guyot D., Mays G., Leiby K., Chang B.,  
 RA Duong T., Goodearl A.D.J., Gearing D.P., Sokol S.Y., McCarthy S.A.;  
 RT "Functional and structural diversity of the human Dickkopf gene family.";  
 RL Gene 238:301-313(1999).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA Tanaka S., Sugimachi K., Sugimachi K.;  
 RL Submitted (OCT-1999) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE OF 75-259 FROM N.A.  
 RA Tate C., Suzuki T., Mitsuwa T.;  
 RL Submitted (NOV-1999) to the EMBL/GenBank/DBJ databases.  
 CC -!- FUNCTION: Inhibitor of Wnt signaling pathway (Potential).  
 CC -!- SUBCELLULAR LOCATION: Secreted.  
 CC -!- TISSUE SPECIFICITY: Expressed in heart, brain, skeletal muscle and lung.  
 CC -!- PTM: MAY BE PROTEOLYTICALLY PROCESSED BY A FURIN-LIKE PROTEASE.  
 CC -!- SIMILARITY: Belongs to the dickkopf family.  
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 CC  
 DR EMBL; AF177395; AAF02675.1; -;  
 DR EMBL; AB033208; BAA85465.1; -;  
 DR EMBL; AB035181; BAA87056.1; -;  
 DR EMBL; AB035180; BAA87056.1; JOINED.  
 DR Genew; HGNC:2892; DKK2.  
 DR MIM; 605415; -;  
 DR GO; GO:0005515; Cytoplasmic space; TAS.  
 DR InterPro; IPR006796; dickkopf\_N.  
 DR Pfam; PF04706; dickkopf\_N; 1.  
 KW Developmental protein; Signal; Wnt signaling pathway; Glycoprotein.  
 FT SIGNAL 1 33 POTENTIAL.  
 FT CHAIN 34 259 DICKKOPF RELATED PROTEIN-2.  
 FT DOMAIN 78 127 DKK-TYPE CYS-1.  
 FT DOMAIN 183 256 DKK-TYPE CYS-2.  
 FT CARBOHYD 52 52 N-LINKED (GLCNAC. . .) (POTENTIAL).  
 SQ SEQUENCE 259 AA; 28447 MW; 39DDA3FA8975E87F CRC64;  
 Query Match 17.3%; Score 102; DB 1; Length 259;  
 Best Local Similarity 31.5%; Pred. No. 0.0013;  
 Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;

QY 26 CERDVQCGAGTCAISLWLRGLRMTCTPLGREGECHPGSHKVPFRKRKHHTCPC 81  
 Db 183 CLRSSDCIEGFCARHFW---TKICKPVLHQSEVCTKQKKGSHGLEIFOR-----CDCA 234

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QY      82 PNLLCSRPDPGRY 94
Db      235 KGLSCKVWKDATY 247

RESULT 11
DKK2_MOUSE
ID DKK2_MOUSE STANDARD; PRT; 259 AA.
AC Q9QVZ8;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Dkkopf related protein-2 precursor (Dkk-2) (mDkk-2).
GN DKK2.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
SEQUENCE FROM N.A.
RX MEDLINE=99425169; PubMed=10495270;
RA Monaghan P.A., Kloschis P., Wu W., Zuniga A., Bock D., Poustka A.,
RA Dellus H., Niehrs C.;
RT "Dkkopf genes are co-ordinately expressed in mesodermal lineages.";
RL Mech. Dev. 87:45-56 (1999).
CC -!- FUNCTION: Inhibitor of Wnt signaling pathway (Potential).
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- PTM: MAY BE PROTEOLYTICALLY PROCESSED BY A FURIN-LIKE PROTEASE.
CC -!- SIMILARITY: Belongs to the dkkopf family.
CC
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CC or send an email to license@isb-sib.ch).
CC
CC EMBL; AJ243963; CAB60110.1; -.
CC MGD; MGI:1890663; Dkk2.
CC InterPro; IPR006796; dkkopf_N.
CC Pfam; PF04706; dkkopf_N; 1.
CC Developmental protein; Signal; Wnt signaling pathway; Glycoprotein.
CC SIGNAL 1 33 POTENTIAL.
CC CHAIN 34 259 DICKKOPF RELATED PROTEIN-2.
CC DOMAIN 78 127 DKK-TYPE CYS-1.
CC DOMAIN 183 256 DKK-TYPE CYS-2.
CC CARBOHYD 52 52 N-LINKED (GLCNAC...) (POTENTIAL).
CC SEQUENCE 259 AA; 28416 MW; EAA876F2D2C9780D CRC64;

Query Match 17.1%; Score 101; DB 1; Length 259;
Best Local Similarity 31.5%; Pred. No. 0.0017;
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;

QY      26 CERDVQCGAGTCCTCAISLWRLGRLMCTPLGRGEEC-----HPGSHKVPFPRKRKHHCTCPL 81
Db      183 CLRSSDCIDGFCARHFW---TKICKPVLQGEVCTKQKKGSHGLEIFOR-----CDCA 234

QY      82 PNLLCSRPDPGRY 94
Db      235 KGLSCKVWKDATY 247

RESULT 12
DKK1_MOUSE
ID DKK1_MOUSE STANDARD; PRT; 272 AA.
AC O54908;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Dkkopf related protein-1 precursor (Dkk-1) (mDkk-1).
GN DKK1.

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OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
SEQUENCE FROM N.A.
RX MEDLINE=98111224; PubMed=9450748;
RA Glinka A., Wu W., Dellus H., Monaghan A.P., Blumenstock C., Niehrs C.;
RT "Dkkopf-1 is a member of a new family of secreted proteins and
RT functions in head induction.";
RL Nature 391:357-362 (1998).
CC -!- FUNCTION: Inhibitor of Wnt signaling pathway.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the dkkopf family.
CC
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CC
CC EMBL; AF030433; AAC02426.1; -.
CC HSP; P25687; IMT.
CC MGD; MGI:1329040; Dkk1.
CC InterPro; IPR006796; dkkopf_N.
CC Pfam; PF04706; dkkopf_N; 1.
CC Developmental protein; Signal; Wnt signaling pathway; Glycoprotein.
CC SIGNAL 1 31 POTENTIAL.
CC CHAIN 32 272 DICKKOPF RELATED PROTEIN-1.
CC DOMAIN 86 141 DKK-TYPE CYS-1.
CC DOMAIN 195 269 DKK-TYPE CYS-2.
CC CARBOHYD 262 262 N-LINKED (GLCNAC...) (POTENTIAL).
CC SEQUENCE 272 AA; 29268 MW; AB9FA35DFA57D3EE CRC64;

Query Match 17.1%; Score 101; DB 1; Length 272;
Best Local Similarity 33.8%; Pred. No. 0.0018;
Matches 22; Conservative 8; Mismatches 23; Indels 12; Gaps 3;

QY      26 CERDVQCGAGTCCTCAISLWRLGRLMCTPLGRGEEC-----HPGSHKVPFPRKRKHHCTCPL 81
Db      195 CLRSSDCAAGLCCARHFW---SXICKPVLKGEQVCTKHKRKGSHGLEIFOR-----CYCG 246

QY      82 PNLLC 86
Db      247 EGLAC 251

RESULT 13
DKK3_HUMAN
ID DKK3_HUMAN STANDARD; PRT; 350 AA.
AC Q9UBF4; Q9ULB7;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 15-MAR-2004 (Rel. 43, Last annotation update)
DE Dkkopf related protein-3 precursor (Dkk-3) (hDkk-3).
GN DKK3 OR REIC.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
SEQUENCE FROM N.A.
RX TISSUE=Fetal brain;
RX MEDLINE=20035735; PubMed=10570958;
RA Krupnik V.E., Sharp J.D., Jiang C., Robison K., Chickering T.W.,
RA Amaravadi L., Brown D.E., Guyot D., Mays G., Leiby K., Chang B.,
RA Duong T., Goodearl A.D.J., Gearing D.P., Sokol S.Y., McCarthy S.A.;
RT "Functional and structural diversity of the human Dkkopf gene
RT family.";
RL Gene 238:301-313 (1999).
RN [2]

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RA SEQUENCE FROM N.A.  
RA Tanaka S., Sugimachi K., Sugimachi K.,  
RA Submitted (OCT-1999) to the EMBL/GenBank/DBSJ databases.  
RN [3]  
RX MEDLINE=20119095; PubMed=10652205;  
RA Tsuji T., Miyazaki M., Sakauchi M., Inoue Y., Namba M.,  
RT "A REIC gene shows down-regulation in human immortalized cells and  
RT human tumor-derived cell lines."  
RL Biochem. Biophys. Res. Commun. 268:20-24 (2000).  
RN [4]  
RX SEQUENCE FROM N.A.  
RA Tate G., Mitsuya T.,  
RA Submitted (NOV-1999) to the EMBL/GenBank/DBSJ databases.  
RN [5]  
RX SEQUENCE FROM N.A.  
RA MEDLINE=21673998; PubMed=11814687;  
RA Kobayashi K., Ouchida M., Tsuji T., Hanafusa H., Miyazaki M.,  
RA Namba M., Shimizu N., Shimizu K.,  
RT "Reduced expression of the REIC/Dkk-3 gene by promoter-  
RT hypermethylation in human tumor cells."  
RL Gene 282:151-158 (2002).  
RN [6]  
RX SEQUENCE FROM N.A.  
RA TISSUE=Kidney;  
RX MEDLINE=22388257; PubMed=12477932;  
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,  
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,  
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,  
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh L.,  
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,  
RA Stapleton M., Soares M.B., Bonaldo M.P., Casavant T.L., Scheetz T.E.,  
RA Brownstein M.J., Ustun T.B., Toshiyuki S., Carninci P., Prange C.,  
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullaly S.J.,  
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,  
RA Richards S., Worley K.C., Hale S.G., Garcia A.M., Gay L.J., Huiyk S.W.,  
RA Villalón D.K., Muny D.M., Sodergren E.J., Lu X., Gibbs R.A.,  
RA Fahey J., Helton E., Kettman M., Madan A., Rodrigues S., Sanchez A.,  
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,  
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,  
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,  
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smalys D.E.,  
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;  
RT "Generation and initial analysis of more than 15,000 full-length  
RT human and mouse cDNA sequences."  
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).  
CC -!- FUNCTION: Inhibitor of Wnt signaling pathway (Potential).  
CC -!- SUBCELLULAR LOCATION: Secreted.  
CC -!- TISSUE SPECIFICITY: Highest expression in heart, brain, and spinal  
CC cord.  
CC -!- PTM: N-glycosylated.  
CC -!- SIMILARITY: Belongs to the dickkopf family.  
CC -----  
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CC -----  
DR EMBL; AF177396; RA02676.1; -;  
DR EMBL; AB033421; BA85488.1; -;  
DR EMBL; AB034203; BA890548.1; -;  
DR EMBL; AB035182; BA87044.2; -;  
DR EMBL; AB045205; BA87044.2; JOINED.  
DR EMBL; AB045206; BA87044.2; JOINED.  
DR EMBL; AB045207; BA87044.2; JOINED.  
DR EMBL; AB045208; BA87044.2; JOINED.  
DR EMBL; AB045209; BA87044.2; JOINED.  
DR EMBL; AB045210; BA87044.2; JOINED.  
DR EMBL; AB057591; BA84360.1; -;  
DR EMBL; AB057804; BA84361.1; -;

DR EMBL; BC007660; AA07660.1; -;  
DR Genew; HGNC:2893; DKK3.  
DR MIN; 605416; -;  
DR GO; GO:0005615; C:extracellular space; TAS.  
DR GO; GO:0007345; P:embryogenesis and morphogenesis; TAS.  
DR InterPro; IPR006796; dickkopf\_N.  
DR Pfam; PF04706; dickkopf\_N\_1.  
KW Developmental protein; Signal; Wnt signaling pathway; Glycoprotein.  
FT SIGNAL 1 16 POTENTIAL.  
FT CHAIN 17 350 DICKKOPF RELATED PROTEIN-3.  
FT DOMAIN 147 195 DKK-TYPE CYS-1.  
FT DOMAIN 208 284 DKK-TYPE CYS-2.  
FT DOMAIN 338 343 POLY-ALA.  
FT CARBOHYD 96 96 N-LINKED (GLCNAC. .) (POTENTIAL).  
FT CARBOHYD 106 106 N-LINKED (GLCNAC. .) (POTENTIAL).  
FT CARBOHYD 121 121 N-LINKED (GLCNAC. .) (POTENTIAL).  
FT CARBOHYD 204 204 N-LINKED (GLCNAC. .) (POTENTIAL).  
FT CONFLICT 335 335 G -> R (IN REF. 4).  
SQ SEQUENCE 350 AA; 38291 MW; 72F504122B40AFFE CRC64;  
Query Match 17.1%; Score 100.5; DB 1; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.0026; Indels 11; Gaps 4;  
Matches 26; Conservative 3; Mismatches 29;  
Qy 26 CERDVQCGAGTCCASISLWRLGL--RMCTPLRGEGECH-PGSHKVPFFKRKH-----HT 77  
Db 208 CDNRDCQPLGCAFO--RGLLPVCTPLPVEGELCHDPASRLDLITWELEPDGALDR 264  
Qy 78 CPCLPNLLC 86  
Db 265 CPCASGLLC 273  
RESULT 14  
DKK3 MOUSE STANDARD; PRT; 349 AA.  
ID -DKK3\_MOUSE  
AC Q9QUR9;  
DT 16-OCT-2001 (Rel. 40, Created)  
DT 16-OCT-2001 (Rel. 40, Last sequence update)  
DT 15-MAR-2004 (Rel. 43, Last annotation update)  
DE Dickkopf related protein-3 precursor (Dkk-3) (Dkkopf-3) (mDkk-3).  
GN DKK3  
OS Mus musculus (Mouse).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
OX NCBI\_TaxID=10090;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=99425169; PubMed=10495270;  
RA Monaghan P.A., Kioschis P., Wu W., Zuniga A., Bock D., Poustka A.,  
RA Dalius H., Niehrs C.;  
RA "Dickkopf genes are co-ordinately expressed in mesodermal lineages."  
RT Mech. Dev. 87:45-56 (1999).  
RN [2]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=20035735; PubMed=10570958;  
RA Krupnik V.E., Sharp J.D., Jiang C., Robison K., Chickering T.W.,  
RA Anaravadi L., Brown D.E., Guyot D., Mays G., Leiby K., Chang S.,  
RA Duong T., Goodearl A.D.J., Gearing D.P., Sokol S.Y., McCarthy S.A.;  
RT "Functional and structural diversity of the human Dickkopf gene  
RT family."  
RL Gene 238:301-313 (1999).  
RN [3]  
RP SEQUENCE FROM N.A.  
RC STRAIN=C57BL/6J; TISSUE=Liver;  
RX MEDLINE=21085660; PubMed=11217851;  
RA Kawai J., Shingawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,  
RA Akawa K., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,  
RA Aizawa T., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,  
RA Saito T., Okazaki Y., Gojohori T., Bono H., Kasukawa T., Saito R.,  
RA Kadoya K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,  
RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,  
RA Kuehl P., Lewis S., Matsuo Y., Nikaudo I., Pesole G., Quackenbush J.,



RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Wagner L., Washio T.,  
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,  
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,  
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,  
RA Guscinich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,  
RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,  
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,  
RA Sasaki H., Sato K., Schoenbach C., Sayo T., Shibata Y., Storch K.F.,  
RA Suzuki H., Toyooka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,  
RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,  
RA Hayashizaki Y.,  
RA "Functional annotation of a full-length mouse cDNA collection.",  
RL Nature 409:685-690(2001).  
RN [4]  
RP SEQUENCE FROM N.A.  
RX STRAIN=C57BL/6; TISSUE=Brain, and Retina;  
RX MEDLINE=22388257; PubMed=12477932;  
RA Klausner R.D., Feingold E.A., Grouse L.H., Derge J.G.,  
RA Strausberg R.L., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,  
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,  
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,  
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,  
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,  
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,  
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,  
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,  
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,  
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,  
RA Fahy J., Helton E., Kettman M., Madan A., Rodriguez S., Sanchez A.,  
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,  
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,  
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,  
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,  
RA Scherch A., Schein J.E., Jones S.J.M., Marra M.A.,  
RT "Generation and initial analysis of more than 15,000 full-length  
human and mouse cDNA sequences.";  
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).  
CC -!- FUNCTION: Inhibitor of Wnt signaling pathway (Potential).  
CC -!- SUBCELLULAR LOCATION: Secreted.  
CC -!- TISSUE SPECIFICITY: Highest expression in brain, eye and heart.  
CC -!- SIMILARITY: Belongs to the dickkopf family.  
CC -----  
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CC -----  
DR EMBL; AJ243964; CAB60111.1; -;  
DR EMBL; AF177400; AAF02680.1; -;  
DR EMBL; AK004853; BAB23617.1; -;  
DR EMBL; BC046304; AAH46304.1; -;  
DR EMBL; BC050934; AAH50934.1; -;  
DR MGD; MGI:1354952; Dkk3.  
DR InterPro; IPR006796; dickkopf N.  
DR Pfam; PF04706; dickkopf N; 1.  
KW Developmental protein; Signal; Wnt signaling pathway; Glycoprotein.  
FT SIGNAL 1 22 POTENTIAL.  
FT CHAIN 23 349 DICKKOPF RELATED PROTEIN-3.  
FT DOMAIN 147 195 DKK-TYPE CVS-1.  
FT DOMAIN 208 284 DKK-TYPE CVS-2.  
FT CARBOHYD 96 96 N-LINKED (GLCNAC. .) (POTENTIAL).  
FT CARBOHYD 106 106 N-LINKED (GLCNAC. .) (POTENTIAL).  
FT CARBOHYD 121 121 N-LINKED (GLCNAC. .) (POTENTIAL).  
FT CARBOHYD 204 204 N-LINKED (GLCNAC. .) (POTENTIAL).  
SQ SEQUENCE 349 AA; 38387 MW; 564CB3C4FB2EAB98 CRC64;  
Query Match 16.7%; Score 98.5; DB 1; Length 349;  
Best Local Similarity 37.7%; Pred. No. 0.0042;  
Matches 26; Conservative 4; Mismatches 28; Indels 11; Gaps 4;

QY 26 CERDVOAGAGTCCCAISLWRLGL--RVCTPLGRGECH-PGSHKVPFFR-----KRGKHT 77  
Db 208 CDNRQDCQPLCCAFQ---RGLLFPVCTPLPVEGELCHDPTSQLDLITWELEPEGALDR 264  
QY 78 CPCPLNLLC 86  
Db 265 CPCASGLLC 273  
RESULT 15  
DKK1\_HUMAN  
ID DKK1\_HUMAN STANDARD; PRT; 266 AA.  
AC O94907; 2001 (Rel. 40, Created)  
DT 16-OCT-2001 (Rel. 40, Last sequence update)  
DT 16-OCT-2003 (Rel. 42, Last annotation update)  
DE Dkkopf related protein-1 precursor (Dkk-1) (Dkkopf-1) (hDkk-1)  
DE (SK).  
GN DKK1.  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX TISSUE=Leiomysarcoma;  
RX MEDLINE=9335900; PubMed=10383463;  
RA Fedi P., Barico A., Nieto Soria A., Burgess W.H., Miki T.,  
RA Bottaro D.P., Kraus M.H., Aaronson S.A.;  
RT "Isolation and biochemical characterization of the human Dkk-1  
RT homologue, a novel inhibitor of mammalian Wnt signaling.";  
J. Biol. Chem. 274:19465-19472(1999).  
RN [2]  
RP SEQUENCE FROM N.A.  
RX TISSUE=Fetal kidney;  
RX MEDLINE=20035735; PubMed=10570958;  
RA Krupnik V.E., Sharp J.D., Jiang C., Robison K., Chickering T.W.,  
RA Amaravadi L., Brown D.E., Guyot D., Mays G., Leiby K., Chang B.,  
RA Duong T., Goodearl A.D.J., Gearing D.P., Sokol S.V., McCarthy S.A.;  
RT "Functional and structural diversity of the human Dickkopf gene  
RT family.";  
RL Gene 238:301-313(1999).  
RP SEQUENCE FROM N.A.  
RX TISSUE=Brain;  
RX MEDLINE=20422487; PubMed=10965128;  
RA Roessler E., Du Y., Glinka A., Dutra A., Niehrs C., Muenke M.;  
RT "The genomic structure, chromosome location, and analysis of the human  
RT DKK1 head inducer gene as a candidate for holoprosencephaly.";  
Cytogenet. Cell Genet. 89:220-224(2000).  
RN [5]  
RP SEQUENCE FROM N.A.  
RX TISSUE=Brain;  
RX MEDLINE=22388257; PubMed=12477932;  
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,  
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,  
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,  
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,  
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,  
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,  
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,  
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,  
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,  
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,  
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,  
RA Fahy J., Helton E., Kettman M., Madan A., Rodriguez S., Sanchez A.,  
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,  
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,  
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,  
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;  
RT "Generation and initial analysis of more than 15,000 full-length  
RT human and mouse cDNA sequences.";  
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).  
CC !- FUNCTION: Inhibitor of Wnt signaling pathway.  
CC !- SUBCELLULAR LOCATION: Secreted.  
CC !- TISSUE SPECIFICITY: Placenta.  
CC !- SIMILARITY: Belongs to the dickkopf family.  
CC  
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CC  
CC -----  
DR EMBL; AF127563; RAD21087.1; -;  
DR EMBL; AF177394; RAF02674.1; -;  
DR EMBL; AB020315; BAA34651.1; -;  
DR EMBL; AB020314; BAA34651.1; JOINED.  
DR EMBL; AF261158; AAG15544.1; -;  
DR EMBL; AF261157; AAG15544.1; JOINED.  
DR EMBL; BC001539; AAO1539.1; -;  
DR Genew; HGNC:2891; DKX1.  
DR MIM; 605189; -;  
DR GO; GO:0008083; F: growth factor activity; TAS.  
DR GO; GO:0004871; F: signal transducer activity; TAS.  
DR InterPro; IPR006796; dickkopf\_N.  
DR Pfam; PF04706; dickkopf\_N; 1.  
KW Developmental protein; Signal; Wnt signaling pathway; Glycoprotein.  
FT SIGNAL 1 19 POTENTIAL.  
FT CHAIN 20 266 DICKKOPF RELATED PROTEIN-1.  
FT DOMAIN 85 138 DKK-TYPE CYS-1.  
FT DOMAIN 189 263 DKK-TYPE CYS-2.  
FT CARBOHYD 256 256 N-LINKED (GLCNAC...) (POTENTIAL).  
SQ SEQUENCE 266 AA; 28671 MW; 5E878B2CCE4236BA CRC64;  
  
Query Match 16.5%; Score 97; DB 1; Length 266;  
Best Local Similarity 32.3%; Pred. No. 0.0045;  
Matches 21; Conservative 9; Mismatches 23; Indels 12; Gaps 3;  
  
QY 26 CERDVQCGAGTCCATSLMLRLMCTPLGREGEC-----HFGSKVKVPFRKRKHHTCPCL 81  
Db 189 CLRSSDCASGLCCARHFW--SKICKPVLKEGVCTKRRKXGSHGLEIFQR-----CYCG 240  
  
QY 82 FNLLC 86  
Db 241 EGLSC 245  
  
Search completed: August 30, 2004, 06:45:03  
Job time : 25 secs

OM protein - protein search, using sw model

Run on: August 30, 2004, 06:39:14 ; Search time 115 Seconds  
(without alignments)  
288.082 Million cell updates/sec

Title: US-10-027-603-2  
Perfect score: 589  
Sequence: 1 MRGATRVSIMLLLVTVSDCA.....CSRFPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1017041 seqs, 315518202 residues

Total number of hits satisfying chosen parameters: 1017041

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- SPTREMBL 25:\*
- 1: sp\_arChaea:\*
  - 2: sp\_bacteria:\*
  - 3: sp\_fungi:\*
  - 4: sp\_human:\*
  - 5: sp\_invertebrate:\*
  - 6: sp\_mammal:\*
  - 7: sp\_mhc:\*
  - 8: sp\_organelle:\*
  - 9: sp\_phage:\*
  - 10: sp\_plant:\*
  - 11: sp\_rodent:\*
  - 12: sp\_virus:\*
  - 13: sp\_vertebrate:\*
  - 14: sp\_unclassified:\*
  - 15: sp\_virus:\*
  - 16: sp\_bacteriap:\*
  - 17: sp\_archaeap:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	588	99.8	105	4 Q8TC69	Q8TC69 homo sapien
2	432	73.3	81	11 Q8K457	Q8K457 mus musculus
3	218	54.0	108	6 Q863H4	Q863H4 bos taurus
4	298.5	50.7	96	13 Q8JFQ0	Q8JFQ0 bombina max
5	298	50.6	128	6 Q863H5	Q863H5 bos taurus
6	274.5	46.6	96	13 Q8JF86	Q8JF86 bombina max
7	273.5	46.4	96	13 Q8JFX8	Q8JFX8 bombina max
8	273.5	46.4	96	13 Q8JFY1	Q8JFY1 bombina max
9	269.5	45.8	96	13 Q8JFX9	Q8JFX9 bombina max
10	269.5	45.8	96	13 Q8JFY0	Q8JFY0 bombina max
11	266.5	45.2	96	13 Q8JFY2	Q8JFY2 bombina max
12	112	19.0	96	13 Q8UCX3	Q8UCX3 gallus gall
13	108.5	18.4	221	11 Q8VEJ3	Q8VEJ3 mus musculus
14	104	17.7	255	13 Q9DDA4	Q9DDA4 xenopus lae
15	101	17.1	259	11 Q8BFW0	Q8BFW0 mus musculus
16	101	17.1	272	11 Q80UL5	Q80UL5 mus musculus

17	100.5	17.1	171	4	O43532	O43532 homo sapien
18	100.5	17.1	215	4	Q8N294	Q8N294 homo sapien
19	99.5	16.9	277	11	Q9ES33	Q9ES33 rattus norv
20	95.5	16.2	259	13	O57464	O57464 xenopus lae
21	94	16.0	240	13	Q9PWH3	Q9PWH3 brachydanio
22	90.5	15.4	425	11	Q8BU04	Q8BU04 mus musculus
23	88.5	15.0	640	10	Q96397	Q96397 chlamydomon
24	86	14.6	241	13	Q9W6D9	Q9W6D9 brachydanio
25	83	14.1	708	13	P87363	P87363 gallus gall
26	83	14.1	966	5	Q22378	Q22378 caenorhabdi
27	82.5	14.0	423	4	Q86U21	Q86U21 homo sapien
28	82.5	14.0	424	4	Q86UA9	Q86UA9 homo sapien
29	81.5	13.8	425	4	Q8N806	Q8N806 homo sapien
30	81.5	13.8	446	4	Q8NE03	Q8NE03 homo sapien
31	80.5	13.7	113	11	Q9D2R7	Q9D2R7 mus musculus
32	80.5	13.7	729	11	Q8BNH3	Q8BNH3 mus musculus
33	80.5	13.7	787	11	Q8K061	Q8K061 mus musculus
34	80	13.6	412	5	Q86HY9	Q86HY9 dictyosteli
35	79.5	13.5	446	4	Q8N1N5	Q8N1N5 homo sapien
36	79.5	13.5	814	5	O81QG6	O81QG6 drosophila
37	79	13.4	1664	5	O9TVQ2	O9TVQ2 caenorhabdi
38	79	13.4	2447	13	O13149	O13149 figu rubrip
39	78	13.2	1537	4	Q8WY29	Q8WY29 homo sapien
40	78	13.2	4599	4	Q9NZR2	Q9NZR2 homo sapien
41	77.5	13.2	911	13	Q7ZZT0	Q7ZZT0 brachydanio
42	77.5	13.2	2559	11	Q8R4U0	Q8R4U0 mus musculus
43	77	13.1	251	5	Q24774	Q24774 enchytraeus
44	77	13.1	762	5	Q8ML23	Q8ML23 drosophila
45	76.5	13.0	1637	6	Q9XSV8	Q9XSV8 bos taurus

#### ALIGNMENTS

#### RESULT 1

Q8TC69 PRELIMINARY; PRT; 105 AA.  
AC Q8TC69;  
DT 01-JUN-2002 (TrEMBLrel. 21, Created)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE Prokineticin 1.  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
OC Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.  
OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE=Testis;  
RA Strausberg R.;  
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.  
DR EMBL; BC025399; AAR25399.1; -;  
SQ SEQUENCE 105 AA; 11729 MW; E570FDE30EFB52D2 CRC64;

Query Match 99.8%; Score 588; DB 4; Length 105;  
Best Local Similarity 99.0%; Pred.No. 4e-66; Indels 0; Gaps 0;  
Matches 104; Conservative 1; Mismatches 0;

Qy	1	MRGATRVSIMLLLVTVSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGRGEEC	60
Db	1	MRGATRVSIMLLLVTVSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGRGEEC	60
Qy	61	HPGSHKVPFPRKXKHHTCTCLNLLCSRFPDGRYRCMDLKNINF	105
Db	61	HPGSHKIPFPRKXKHHTCTCLNLLCSRFPDGRYRCMDLKNINF	105

#### RESULT 2

Q8K457 PRELIMINARY; PRT; 81 AA.  
ID Q8K457  
AC Q8K457;  
DT 01-OCT-2002 (TrEMBLrel. 22, Created)  
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)

```

01-VAR-2003 (Tremblrel. 23, Last annotation update)
DE Prokineticin 1 (Fragment).
GN PROK1 OR PK1.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6;
RX MEDLINE=2022134; PubMed=12024206;
RA Cheng M.Y., Bullock C.M., Li C., Lee A.G., Bernak J.C., Belluzzi J.,
RA Weaver D.R., Leslie F.M., Zhou Q.Y.;
RT "Prokineticin 2 transmits the behavioural circadian rhythm of the
RT suprachiasmatic nucleus."
RL Nature 417:405-410 (2002).
DR EMBL; AF487281; AAM49573.1; --
DR MGD; MGI:2180370; Prok1.
FT NON_TER
SQ SEQUENCE 81 AA; 9192 MW; 7BBE3EC6B16A8011 CRC64;

Query Match 73.3%; Score 432; DB 11; Length 81;
Best Local Similarity 87.7%; Pred. No. 1.3e-46;
Matches 71; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 25 ACERDVOCAGTCCCAISLWLRGLRMLCTPLGREGCHPGSHKVPFRKXKHTCPCLPNL 84
Db 1 ACERDIQAGAGTCCCAISLWLRGLRMLCTPLGREGCHPGSHKIPFLRKGQHTCPGPSL 60

QY 85 LCSRFPDGRYRCMDLNKFN 105
Db 61 LCSRFPDGRYRCFRLKNANF 81

RESULT 3
Q863H4
ID Q863H4 PRELIMINARY; PRT; 108 AA.
AC Q863H4;
DT 01-JUN-2003 (Tremblrel. 24, Created)
DT 01-JUN-2003 (Tremblrel. 24, Last sequence update)
DT 01-JUN-2003 (Tremblrel. 24, Last annotation update)
DE Bv8/prokineticin 2-like protein splice variant.
OS Bos taurus (Bovine).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC Bovidae; Bovinae; Bos.
OX NCBI_TaxID=9913;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Testis;
RX MEDLINE=22612805; PubMed=12728244;
RA Kaser A., Winklmayr M., Lepperdinger G., Kreil G.;
RT "The AVIT protein family."
RL EMBO Rep. 4:469-473 (2003).
DR EMBL; AY192558; AAP1907.1; --
SQ SEQUENCE 108 AA; 11672 MW; C00410399A9B215E CRC64;

Query Match 54.0%; Score 318; DB 6; Length 108;
Best Local Similarity 51.9%; Pred. No. 4e-32;
Matches 54; Conservative 15; Mismatches 27; Indels 8; Gaps 1;

QY 1 MRGATRVSIMLLV-----TVSDCAVITGACERDVOCAGTCCCAISLWLRGLRMLCTP 52
Db 1 MRSRCARLRLLLLPULLTPAGDAVITGACDRDPQCGGMCCAVSLWVKSIRICTP 60

QY 53 LGREGCHPGSHKVPFRKXKHTCPCLPNLLCSRFPGRYRC 96
Db 61 MGKVGDSCHPWTRKVPFLGRMHHTCPCLPGLACSRISFN 104

RESULT 4
Q8JFQ0
ID Q8JFQ0 PRELIMINARY; PRT; 96 AA
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Q8JFQ0;
AC Q8JFQ0;
DT 01-OCT-2002 (Tremblrel. 22, Created)
DT 01-OCT-2002 (Tremblrel. 22, Last sequence update)
DT 01-OCT-2002 (Tremblrel. 22, Last annotation update)
DE Bv8 protein homolog 2.
OS Bombina maxima (Giant fire-bellied toad) (Chinese red belly toad).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Archeobatrachia; Bombinatoridae; Bombina.
OX NCBI_TaxID=161274;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Skin secretion;
RA Lai R., Liu H., Lee W.-H., Zhang Y.;
RT "Characterization and cloning of Bv8 protein homologs from toad
RT Bombina maxima."
RL Submitted (AUG-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF411091; AAN03822.1; --
SQ SEQUENCE 96 AA; 10198 MW; EC4EAA5E5FE49B2F0 CRC64;

Query Match 50.7%; Score 298.5; DB 13; Length 96;
Best Local Similarity 53.6%; Pred. No. 1e-29;
Matches 52; Conservative 16; Mismatches 28; Indels 1; Gaps 1;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCAGTCCCAISLWLRGLRMLCTPLGREGCH 60
Db 1 MKCFQIIVLLLVIAFSHGAVITGACDRDVOCGSGTCCCAASLWSNRIRFCVPLGNNGEC 60

QY 61 HPGSHKVPFRKXKHTCPCLPNLLCSRFPGRYRC 97
Db 61 HPASHKVPYNGKRLSSLCPCSKSGLTCSKSGE-KFOCS 96

RESULT 5
Q863H5
ID Q863H5 PRELIMINARY; PRT; 128 AA.
AC Q863H5;
DT 01-JUN-2003 (Tremblrel. 24, Created)
DT 01-JUN-2003 (Tremblrel. 24, Last sequence update)
DT 01-JUN-2003 (Tremblrel. 24, Last annotation update)
DE Bv8/prokineticin 2-like protein.
OS Bos taurus (Bovine).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC Bovidae; Bovinae; Bos.
OX NCBI_TaxID=9913;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Testis;
RX MEDLINE=22612805; PubMed=12728244;
RA Kaser A., Winklmayr M., Lepperdinger G., Kreil G.;
RT "The AVIT protein family."
RL EMBO Rep. 4:469-473 (2003).
DR EMBL; AY192557; AAP1906.1; --
SQ SEQUENCE 128 AA; 14290 MW; C22CDBDBE40483EC CRC64;

Query Match 50.6%; Score 298; DB 6; Length 128;
Best Local Similarity 43.5%; Pred. No. 1.6e-29;
Matches 54; Conservative 15; Mismatches 27; Indels 28; Gaps 2;

QY 1 MRGATRVSIMLLV-----TVSDCAVITGACERDVOCAGTCCCAISLWLRGLRMLCTP 52
Db 1 MRSRCARLRLLLLPULLTPAGDAVITGACDRDPQCGGMCCAVSLWVKSIRICTP 60

QY 53 LGREGCHPGSHKVPFRKXKHTCPCLPNLLCSRFPG 92
Db 61 MGKVGDSCHPWTRKXNHFGNGRKRKRKRKVPFLGRMHHTCPCLPGLACSRISFN 120

QY 93 RYRC 96
Db 121 RYTC 124

RESULT 6
Q8JFQ0
ID Q8JFQ0 PRELIMINARY; PRT; 96 AA
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Q8JFE6  
ID Q8JFE6 PRELIMINARY; PRT; 96 AA.  
AC Q8JFE6  
DT 01-OCT-2002 (TReMBLrel. 22, Created)  
DT 01-OCT-2002 (TReMBLrel. 22, Last sequence update)  
DT 01-OCT-2002 (TReMBLrel. 22, Last annotation update)  
DE B8-f protein precursor (B8 protein homolog 1).  
OS Bombina maxima (Giant fire-bellied toad) (Chinese red belly toad).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Amphibia; Batrachia; Anura; Archeobatrachia; Bombinatoridae; Bombina.  
OX NCBI\_TaxID=161274;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE=Skin;  
RA Chen T., Bjournson A.J., Shaw C.;  
RT "Multiple B8 isoforms from the skin of the Oriental toad, Bombina maxima";  
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.  
RN [2]  
RP SEQUENCE FROM N.A.  
RC TISSUE=Skin secretion;  
RA Lai R., Liu H., Lee W.-H., Zhang Y.;  
RT "Characterization and cloning of B8 protein homologs from toad Bombina maxima";  
RL Submitted (AUG-2001) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AJ440230; CAD29340.1; -  
DR EMBL; AF411090; AN03821.1; -  
KW Signal.  
FT SIGNAL  
FT CHAIN 1 19 B8-A PROTEIN.  
FT CHAIN 20 96  
SQ SEQUENCE 96 AA; 10117 MW; 2269AAC8654B18A6 CRC64;  
Query Match 46.6%; Score 274.5; DB 13; Length 96;  
Best Local Similarity 49.5%; Pred. No. 1.4e-26;  
Matches 48; Conservative 17; Mismatches 31; Indels 1; Gaps 1;  
QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
Db 1 MKCFAQIVLLVLLVIAFSGHGVITGCDRAQCGSGTCCAAAFSRNIRFCVPLNGNGEEC 60  
QY 61 HPGSHKVPFRKRKHHTCPCLPNLLCSRPDPGRYRCS 97  
Db 61 HPASHKVPYNGKRLSSLCPCNTGLTCSKSGE-KFQCS 96  
RESULT 7  
Q8JFX8  
ID Q8JFX8 PRELIMINARY; PRT; 96 AA.  
AC Q8JFX8  
DT 01-OCT-2002 (TReMBLrel. 22, Created)  
DT 01-OCT-2002 (TReMBLrel. 22, Last sequence update)  
DT 01-OCT-2002 (TReMBLrel. 22, Last annotation update)  
DE B8-f protein precursor.  
OS Bombina maxima (Giant fire-bellied toad) (Chinese red belly toad).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Amphibia; Batrachia; Anura; Archeobatrachia; Bombinatoridae; Bombina.  
OX NCBI\_TaxID=161274;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE=Skin;  
RA Chen T., Bjournson A.J., Shaw C.;  
RT "Multiple B8 isoforms from the skin of the Oriental toad, Bombina maxima";  
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AJ440235; CAD29345.1; -  
KW Signal.  
FT SIGNAL  
FT CHAIN 1 19 B8-F PROTEIN.  
FT CHAIN 20 96  
SQ SEQUENCE 96 AA; 10057 MW; 2269A070F0FE118A6 CRC64;  
Query Match 46.4%; Score 273.5; DB 13; Length 96;  
Best Local Similarity 50.5%; Pred. No. 1.4e-26;  
Matches 49; Conservative 15; Mismatches 32; Indels 1; Gaps 1;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
Db 1 MKCFAQIVLLVLLVIAFSGHGVITGCDRAQCGSGTCCAAAFSRNIRFCVPLNGNGEEC 60  
QY 61 HPGSHKVPFRKRKHHTCPCLPNLLCSRPDPGRYRCS 97  
Db 61 HPASHKVPDGRKRLSSLCPCNTGLTCSKSGE-KYQCS 96  
RESULT 8  
Q8JFY1  
ID Q8JFY1 PRELIMINARY; PRT; 96 AA.  
AC Q8JFY1  
DT 01-OCT-2002 (TReMBLrel. 22, Created)  
DT 01-OCT-2002 (TReMBLrel. 22, Last sequence update)  
DT 01-OCT-2002 (TReMBLrel. 22, Last annotation update)  
DE B8-c protein precursor;  
OS Bombina maxima (Giant fire-bellied toad) (Chinese red belly toad).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Amphibia; Batrachia; Anura; Archeobatrachia; Bombinatoridae; Bombina.  
OX NCBI\_TaxID=161274;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE=Skin;  
RA Chen T., Bjournson A.J., Shaw C.;  
RT "Multiple B8 isoforms from the skin of the Oriental toad, Bombina maxima";  
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AJ440232; CAD29342.1; -  
KW Signal.  
FT SIGNAL  
FT CHAIN 1 19 POTENTIAL.  
FT CHAIN 20 96 B8-C PROTEIN.  
SQ SEQUENCE 96 AA; 10103 MW; 227EA1A5C49B18A6 CRC64;  
Query Match 46.4%; Score 273.5; DB 13; Length 96;  
Best Local Similarity 49.5%; Pred. No. 1.4e-26;  
Matches 48; Conservative 17; Mismatches 31; Indels 1; Gaps 1;  
QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
Db 1 MKCFAQIVLLVLLVIAFSGHGVITGCDRAQCGSGTCCAAAFSRNIRFCVPLNGNGEEC 60  
QY 61 HPGSHKVPFRKRKHHTCPCLPNLLCSRPDPGRYRCS 97  
Db 61 HPASHKVPYNGKRLSSLCPCNTGLTCSKSGE-KFQCS 96  
RESULT 9  
Q8JFX9  
ID Q8JFX9 PRELIMINARY; PRT; 96 AA.  
AC Q8JFX9  
DT 01-OCT-2002 (TReMBLrel. 22, Created)  
DT 01-OCT-2002 (TReMBLrel. 22, Last sequence update)  
DT 01-OCT-2002 (TReMBLrel. 22, Last annotation update)  
DE B8-e protein precursor  
OS Bombina maxima (Giant fire-bellied toad) (Chinese red belly toad).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Amphibia; Batrachia; Anura; Archeobatrachia; Bombinatoridae; Bombina.  
OX NCBI\_TaxID=161274;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE=Skin;  
RA Chen T., Bjournson A.J., Shaw C.;  
RT "Multiple B8 isoforms from the skin of the Oriental toad, Bombina maxima";  
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AJ440234; CAD29344.1; -  
KW Signal.  
FT SIGNAL  
FT CHAIN 1 19 B8-E PROTEIN.  
FT CHAIN 20 96  
SQ SEQUENCE 96 AA; 10127 MW; 226A65C654B18A6 CRC64;





DR EMBL; BC018400; AAH18400.1; -  
DR MGI; MGI:12385299; Dkk4.  
DR InterPro; IPR006796; dickkopf\_N.  
DR Pfam; PF04706; dickkopf\_N; 1.  
SQ SEQUENCE 221 AA; 24260 MW; 670AD9F750BF1715 CRC64;  
  
Query Match 18.4%; Score 108.5; DB 11; Length 221;  
Best Local Similarity 35.5%; Pred. No. 1.9e-05;  
Matches 22; Conservative 5; Mismatches 32; Indels 3; Gaps 1;  
  
Qy 25 ACEDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCLPWL 84  
Db 144 SCLTSDCGPLCCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 200  
Qy 85 LC 86  
Db 201 TC 202  
  
Query Match 17.1%; Score 101; DB 11; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0002;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
  
Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 183 CLRSDCIDGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 234  
Qy 82 PNILCSRPDPGRY 94  
Db 235 KGLSCKVWKDATY 247  
  
Search completed: August 30, 2004, 06:47:06  
Job time: 1.19 secs

DR EMBL; BC018400; AAH18400.1; -  
DR MGI; MGI:12385299; Dkk4.  
DR InterPro; IPR006796; dickkopf\_N.  
DR Pfam; PF04706; dickkopf\_N; 1.  
SQ SEQUENCE 221 AA; 24260 MW; 670AD9F750BF1715 CRC64;  
  
Query Match 18.4%; Score 108.5; DB 11; Length 221;  
Best Local Similarity 35.5%; Pred. No. 1.9e-05;  
Matches 22; Conservative 5; Mismatches 32; Indels 3; Gaps 1;  
  
Qy 25 ACEDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCLPWL 84  
Db 144 SCLTSDCGPLCCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 200  
Qy 85 LC 86  
Db 201 TC 202  
  
Query Match 17.7%; Score 104; DB 13; Length 255;  
Best Local Similarity 31.5%; Pred. No. 8.1e-05;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
  
Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 179 CLRSTDCIEGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 230  
Qy 82 PNILCSRPDPGRY 94  
Db 231 KGLSCKVWKDATY 243  
  
Query Match 17.1%; Score 101; DB 11; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0002;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
  
Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 183 CLRSDCIDGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 234  
Qy 82 PNILCSRPDPGRY 94  
Db 235 KGLSCKVWKDATY 247  
  
Search completed: August 30, 2004, 06:47:06  
Job time: 1.19 secs

DR EMBL; BC018400; AAH18400.1; -  
DR MGI; MGI:12385299; Dkk4.  
DR InterPro; IPR006796; dickkopf\_N.  
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SQ SEQUENCE 221 AA; 24260 MW; 670AD9F750BF1715 CRC64;  
  
Query Match 18.4%; Score 108.5; DB 11; Length 221;  
Best Local Similarity 35.5%; Pred. No. 1.9e-05;  
Matches 22; Conservative 5; Mismatches 32; Indels 3; Gaps 1;  
  
Qy 25 ACEDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCLPWL 84  
Db 144 SCLTSDCGPLCCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 200  
Qy 85 LC 86  
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Query Match 17.7%; Score 104; DB 13; Length 255;  
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Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 179 CLRSTDCIEGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 230  
Qy 82 PNILCSRPDPGRY 94  
Db 231 KGLSCKVWKDATY 243  
  
Query Match 17.1%; Score 101; DB 11; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0002;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
  
Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 183 CLRSDCIDGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 234  
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Search completed: August 30, 2004, 06:47:06  
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DR EMBL; BC018400; AAH18400.1; -  
DR MGI; MGI:12385299; Dkk4.  
DR InterPro; IPR006796; dickkopf\_N.  
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SQ SEQUENCE 221 AA; 24260 MW; 670AD9F750BF1715 CRC64;  
  
Query Match 18.4%; Score 108.5; DB 11; Length 221;  
Best Local Similarity 35.5%; Pred. No. 1.9e-05;  
Matches 22; Conservative 5; Mismatches 32; Indels 3; Gaps 1;  
  
Qy 25 ACEDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCLPWL 84  
Db 144 SCLTSDCGPLCCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 200  
Qy 85 LC 86  
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Query Match 17.7%; Score 104; DB 13; Length 255;  
Best Local Similarity 31.5%; Pred. No. 8.1e-05;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
  
Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 179 CLRSTDCIEGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 230  
Qy 82 PNILCSRPDPGRY 94  
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Best Local Similarity 31.5%; Pred. No. 0.0002;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
  
Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 183 CLRSDCIDGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 234  
Qy 82 PNILCSRPDPGRY 94  
Db 235 KGLSCKVWKDATY 247  
  
Search completed: August 30, 2004, 06:47:06  
Job time: 1.19 secs

DR EMBL; BC018400; AAH18400.1; -  
DR MGI; MGI:12385299; Dkk4.  
DR InterPro; IPR006796; dickkopf\_N.  
DR Pfam; PF04706; dickkopf\_N; 1.  
SQ SEQUENCE 221 AA; 24260 MW; 670AD9F750BF1715 CRC64;  
  
Query Match 18.4%; Score 108.5; DB 11; Length 221;  
Best Local Similarity 35.5%; Pred. No. 1.9e-05;  
Matches 22; Conservative 5; Mismatches 32; Indels 3; Gaps 1;  
  
Qy 25 ACEDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCLPWL 84  
Db 144 SCLTSDCGPLCCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 200  
Qy 85 LC 86  
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Query Match 17.7%; Score 104; DB 13; Length 255;  
Best Local Similarity 31.5%; Pred. No. 8.1e-05;  
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Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 179 CLRSTDCIEGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 230  
Qy 82 PNILCSRPDPGRY 94  
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Query Match 17.1%; Score 101; DB 11; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0002;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
  
Qy 26 CERDVCGAGTCCATSLWLRGRLMCTPLGREEECHPGSHKVPFRKXKHTCPCL 81  
Db 183 CLRSDCIDGFCARHF--TKICKPVLHQGEVCTKLRKKGSHGLEIFOR-----CDCA 234  
Qy 82 PNILCSRPDPGRY 94  
Db 235 KGLSCKVWKDATY 247  
  
Search completed: August 30, 2004, 06:47:06  
Job time: 1.19 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 30, 2004, 07:11:56 / Search time 55 seconds  
539.409 Million cell updates/sec

Title: US-10-027-603-2  
Perfect score: 589  
Sequence: 1 MRGATRVSIMLLVTVSDCA.....CSRFPDGRVRCMSMDLKNINF 105

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1586107 seqs, 282547505 residues  
Total number of hits satisfying chosen parameters: 289

Minimum DB seq length: 0  
Maximum DB seq length: 2600000000  
Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 2500 summaries

Database : A: Geneseqp\_29Jan04.\*  
1: Geneseqp1980s.\*  
2: Geneseqp1990s.\*  
3: Geneseqp2000s.\*  
4: Geneseqp2001s.\*  
5: Geneseqp2002s.\*  
6: Geneseqp2003as.\*  
7: Geneseqp2003bs.\*  
8: Geneseqp2004s.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	589	100.0	105	3	AAV66745 Membrane-
2	589	100.0	105	3	Aab18453 A human T
3	589	100.0	105	4	Aab70148 Human G p
4	589	100.0	105	4	Aab68427 Amino aci
5	589	100.0	105	4	Aau12406 Human PRO
6	589	100.0	105	4	Aab53096 Human arg
7	589	100.0	105	4	Aab65268 Human PRO
8	589	100.0	105	4	Aab48175 Human PRO
9	589	100.0	105	4	Aab48067 Human ext
10	589	100.0	105	4	Aam50773 Endocrine
11	589	100.0	105	5	AAU83674 Human PRO
12	589	100.0	105	5	ABBB4902 Human PRO
13	589	100.0	105	5	Aao15527 Human phy
14	589	100.0	105	5	ABBO6308 Human G p
15	589	100.0	105	5	Aae24382 Human pro
16	589	100.0	105	5	ABb95508 Human arg
17	589	100.0	105	6	Abus8083 Human PRO
18	589	100.0	105	6	ABU59161 Novel hum
19	589	100.0	105	6	ABU82673 Human sec
20	589	100.0	105	6	ABOI7850 Novel hum
21	589	100.0	105	6	ABU60592 Human sec
22	589	100.0	105	6	ABU80821 Human PRO
23	589	100.0	105	6	ABO33787 Novel hum
24	589	100.0	105	6	ABU13974 Human PRO
25	589	100.0	105	6	ABU08800 Human end

26	589	100.0	105	6	ABU81104	Human PRO
27	589	100.0	105	6	ABU07603	Human ZVE
28	589	100.0	105	6	ABU72559	Novel hum
29	589	100.0	105	6	ABU66804	Human PRO
30	589	100.0	105	6	ABU59885	Novel sec
31	589	100.0	105	6	ABU59308	Human sec
32	589	100.0	105	6	ABO26005	Human PRO
33	589	100.0	105	6	ABO25075	Human sec
34	589	100.0	105	6	ABU82130	Novel hum
35	589	100.0	105	6	ABU59014	Human sec
36	589	100.0	105	6	ABU92392	Novel hum
37	589	100.0	105	6	ABU59457	Novel hum
38	589	100.0	105	6	ABU67080	Human sec
39	589	100.0	105	6	ABU92223	Novel hum
40	589	100.0	105	6	ABU10929	Human PRO
41	589	100.0	105	6	ABU1681	Novel hum
42	589	100.0	105	6	ABU88620	Human sec
43	589	100.0	105	6	ABO34134	Human PRO
44	589	100.0	105	6	ADA45989	Novel hum
45	589	100.0	105	6	ADA76420	Human PRO
46	589	100.0	105	6	ADA76420	Human PRO
47	589	100.0	105	6	ABJ72310	Human PRO
48	589	100.0	105	6	ADA19070	Human PRO
49	589	100.0	105	6	ADA61693	Homo sapi
50	589	100.0	105	6	ADB19478	Novel hum
51	589	100.0	105	6	ADB28019	Human PRO
52	589	100.0	105	6	ADA86498	Novel hum
53	589	100.0	105	6	ADA37882	Human sec
54	589	100.0	105	6	ADA47848	Human PRO
55	589	100.0	105	6	ADA21568	Human sec
56	589	100.0	105	6	ADA10355	Human sec
57	589	100.0	105	6	ADA67643	Human PRO
58	589	100.0	105	6	ADB30650	Human PRO
59	589	100.0	105	6	ADA85946	Novel hum
60	589	100.0	105	6	ADA17899	Human PRO
61	589	100.0	105	6	ADA97158	Human PRO
62	589	100.0	105	6	ADA79462	Human PRO
63	589	100.0	105	6	ADA87601	Novel hum
64	589	100.0	105	6	ADB16803	Human PRO
65	589	100.0	105	6	ADA28007	Human sec
66	589	100.0	105	6	ADA91895	Novel hum
67	589	100.0	105	6	ADB14958	Human PRO
68	589	100.0	105	6	ADB18919	Novel hum
69	589	100.0	105	6	ADA94134	Human PRO
70	589	100.0	105	6	ADB20030	Novel hum
71	589	100.0	105	6	ADB13342	Human PRO
72	589	100.0	105	6	ABO43383	Novel hum
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74	589	100.0	105	6	ADA74596	Human PRO
75	589	100.0	105	6	ADB24829	Human PRO
76	589	100.0	105	6	ADA82353	Human PRO
77	589	100.0	105	6	ADA75316	Human PRO
78	589	100.0	105	6	ADA85394	Novel hum
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82	589	100.0	105	6	ADA75868	Human PRO
83	589	100.0	105	6	ADA38812	Human sec
84	589	100.0	105	6	ADA47093	Human PRO
85	589	100.0	105	6	ADB25389	Human PRO
86	589	100.0	105	6	ADA93565	Human PRO
87	589	100.0	105	6	ADB26915	Human PRO
88	589	100.0	105	6	ADB31202	Human PRO
89	589	100.0	105	6	ABJ72438	Human PRO
90	589	100.0	105	6	ADA92933	Human sec
91	589	100.0	105	6	ADA61130	Homo sapi
92	589	100.0	105	6	ADB24277	Human PRO
93	589	100.0	105	6	ADA96606	Human PRO
94	589	100.0	105	6	ADA81178	Human PRO
95	589	100.0	105	6	ADA96054	Human PRO
96	589	100.0	105	6	ADB26363	Human PRO
97	589	100.0	105	6	ADB21848	Novel hum
98	589	100.0	105	6	ABO34333	Human sec

99	589	100.0	105	7	ADA77627	Human PRO	172	589	100.0	105	7	ADC58621	Novel hum
100	589	100.0	105	7	ADB18367	Human PRO	173	589	100.0	105	7	ADC14671	Novel hum
101	589	100.0	105	7	ADA87050	Novel hum	174	589	100.0	105	7	ADC47238	Novel hum
102	589	100.0	105	7	ADA88153	Novel hum	175	589	100.0	105	7	ADC08203	Novel hum
103	589	100.0	105	7	ADA88153	Novel hum	176	589	100.0	105	7	ADC03295	Novel hum
104	589	100.0	105	7	ADA8541	Novel hum	177	589	100.0	105	7	ADC90287	Novel hum
105	589	100.0	105	7	ADB28571	Human PRO	178	589	100.0	105	7	ADC62028	Human PRO
106	589	100.0	105	7	ADB28571	Human PRO	179	589	100.0	105	7	ADC69706	Human PRO
107	589	100.0	105	7	ABO53220	Human sec	180	589	100.0	105	7	ADC48595	Human PRO
108	589	100.0	105	7	ADA77075	Human PRO	181	589	100.0	105	7	ADD10124	Human PRO
109	589	100.0	105	7	ADA22494	Human sec	182	589	100.0	105	7	ADD07670	Novel hum
110	589	100.0	105	7	ADA88705	Human sec	183	589	100.0	105	7	ADC78113	Novel hum
111	589	100.0	105	7	ADA97710	Human PRO	184	589	100.0	105	7	ADC04699	Novel hum
112	589	100.0	105	7	ADB27467	Human PRO	185	589	100.0	105	7	ADC82561	Human PRO
113	589	100.0	105	7	ADB22400	Novel hum	186	589	100.0	105	7	ADC08348	Novel hum
114	589	100.0	105	7	ABO22590	Human sec	187	589	100.0	105	7	ADC08655	Novel hum
115	589	100.0	105	7	ADA06660	Human sec	188	589	100.0	105	7	ADD11162	Human PRO
116	589	100.0	105	7	ABJ72140	Human mem	189	589	100.0	105	7	ADC10461	Human sec
117	589	100.0	105	7	ADA33953	Human sec	190	589	100.0	105	7	ADC48043	Human PRO
118	589	100.0	105	7	ADA67091	Human PRO	191	589	100.0	105	7	ADC08741	Novel hum
119	589	100.0	105	7	ADB22952	Human PRO	192	589	100.0	105	7	ADC77867	Novel hum
120	589	100.0	105	7	ADB23725	Human PRO	193	589	100.0	105	7	ADC80103	Novel hum
121	589	100.0	105	7	ADA92447	Novel hum	194	589	100.0	105	7	ADD06990	Novel hum
122	589	100.0	105	7	ADB15510	Human PRO	195	589	100.0	105	7	ADD11421	Human sec
123	589	100.0	105	7	ADB83656	Novel hum	196	589	100.0	105	7	ADC09572	Human PRO
124	589	100.0	105	7	ADB80762	Novel hum	197	589	100.0	105	7	ADC83237	Human PRO
125	589	100.0	105	7	ADB73303	Novel hum	198	589	100.0	105	7	ADD41285	Novel hum
126	589	100.0	105	7	ADB38762	Novel hum	199	589	100.0	105	7	ADD50830	Novel hum
127	589	100.0	105	7	ADB96379	Human PRO	200	589	100.0	105	7	ADD54242	Human PRO
128	589	100.0	105	7	ADB78385	Novel hum	201	589	100.0	105	7	ADD51076	Novel hum
129	589	100.0	105	7	ADB38210	Novel hum	202	589	100.0	105	7	ADD53164	Human PRO
130	589	100.0	105	7	ADB66682	Novel hum	203	589	100.0	105	7	ADD53716	Novel hum
131	589	100.0	105	7	ADB85033	Human PRO	204	589	100.0	105	7	ADD55344	Human PRO
132	589	100.0	105	7	ADB89762	Human PRO	205	589	100.0	105	7	ADD69106	Human ZAQ
133	589	100.0	105	7	ADB90494	Human PRO	206	589	100.0	105	7	ADD37214	Human sec
134	589	100.0	105	7	ADB39595	Novel hum	207	589	100.0	105	7	ADD56302	Human PRO
135	589	100.0	105	7	ADB78139	Novel hum	208	589	100.0	105	7	ADD51872	Human PRO
136	589	100.0	105	7	ADB87205	Human PRO	209	589	100.0	105	7	ADD02671	Human PRO
137	589	100.0	105	7	ADB84787	Human PRO	210	589	100.0	105	7	ADD50557	Human PRO
138	589	100.0	105	7	ADB47218	Human PRO	211	589	100.0	105	7	ADD02105	Human PRO
139	589	100.0	105	7	ADB83902	Human PRO	212	589	100.0	105	7	ADD54287	Novel hum
140	589	100.0	105	7	ADB73057	Novel hum	213	589	100.0	105	7	ADD54740	Human PRO
141	589	100.0	105	7	ADB77430	Novel hum	214	589	100.0	105	7	ADD50311	Human PRO
142	589	100.0	105	7	ADB34587	Human PRO	215	589	100.0	105	7	ADD51322	Novel hum
143	589	100.0	105	7	ADB35691	Human PRO	216	589	100.0	105	7	ADD92604	Human PRO
144	589	100.0	105	7	ADB34035	Human PRO	217	589	100.0	105	7	ADD91500	Human PRO
145	589	100.0	105	7	ADB35139	Human PRO	218	589	100.0	105	7	ADE04114	Human PRO
146	589	100.0	105	7	ADB36243	Human PRO	219	589	100.0	105	7	ADE26894	Novel hum
147	589	100.0	105	7	ADB46638	Novel hum	220	589	100.0	105	7	ADE32411	Novel hum
148	589	100.0	105	7	ADC57851	Human PRO	221	589	100.0	105	7	ADE23243	Human PRO
149	589	100.0	105	7	ADC55215	Human PRO	222	589	100.0	105	7	ADD79567	Human PRO
150	589	100.0	105	7	ADC12082	Human sec	223	589	100.0	105	7	ADE42103	Human PRO
151	589	100.0	105	7	ADC56504	Human sec	224	589	100.0	105	7	ADE17920	Human PRO
152	589	100.0	105	7	ADC07559	Human sec	225	589	100.0	105	7	ADD92052	Human PRO
153	589	100.0	105	7	ADC11549	Human sec	226	589	100.0	105	7	ADE33515	Novel hum
154	589	100.0	105	7	ADC36895	Human PRO	227	589	100.0	105	7	ADE34067	Novel hum
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156	589	100.0	105	7	ADC50511	Novel hum	229	589	100.0	105	7	ADD93156	Human PRO
157	589	100.0	105	7	ADC72058	Novel hum	230	589	100.0	105	7	ADE19576	Human PRO
158	589	100.0	105	7	ADC60037	Novel hum	231	589	100.0	105	7	ADE19024	Human PRO
159	589	100.0	105	7	ADC49916	Novel hum	232	589	100.0	105	7	ADE43220	Human PRO
160	589	100.0	105	7	ADC49916	Novel hum	233	589	100.0	105	7	ADD96009	Human PRO
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163	589	100.0	105	7	ADC53044	Novel hum	236	589	100.0	105	7	ADE26361	Novel hum
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165	589	100.0	105	7	ADC60589	Novel hum	238	589	100.0	105	7	ADE42655	Human PRO
166	589	100.0	105	7	ADC51064	Novel hum	239	589	100.0	105	7	ADD80671	Human PRO
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169	589	100.0	105	7	ADC53650	Novel hum	242	589	100.0	105	7	ADE04782	Human PRO
170	589	100.0	105	7	ADC59173	Novel hum	243	589	100.0	105	8	ADC46869	Novel hum
171	589	100.0	105	7	ADC56051	Novel hum	244	589	100.0	105	8	ADC81207	Novel hum

245	589	100.0	105	8	ADE21040	Ade21040	Novel	hum
246	589	100.0	105	8	ADE05884	Ade05884	Human	PRO
247	589	100.0	105	8	ADD76655	Add76655	Human	PRO
248	589	100.0	105	8	ADD75113	Add75113	Human	PRO
249	589	100.0	105	8	ADD75859	Add75859	Novel	hum
250	589	100.0	105	8	ADD85091	Add85091	Novel	hum
251	589	100.0	105	8	ADD86917	Add86917	Novel	hum
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255	589	100.0	105	8	ADD86423	Add86423	Human	PRO
256	589	100.0	105	8	ADE05638	Ade05638	Human	PRO
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259	589	100.0	105	8	ADD78463	Add78463	Novel	hum
260	589	100.0	105	8	ADE41422	Ade41422	Human	sec
261	589	100.0	105	8	ADE23447	Ade23447	Human	PRO
262	589	100.0	105	8	ADE21286	Ade21286	Novel	hum
263	589	100.0	105	8	ADD77401	Add77401	Novel	hum
264	589	100.0	105	8	ADE20548	Ade20548	Novel	hum
265	589	100.0	105	8	ADD75613	Add75613	Human	PRO
266	589	100.0	105	8	ADD74129	Add74129	Human	PRO
267	589	100.0	105	8	ADD74375	Add74375	Human	PRO
268	589	100.0	105	8	ADD76105	Add76105	Novel	hum
269	589	100.0	105	8	ADD85597	Add85597	Novel	hum
270	589	100.0	105	8	ADE23999	Ade23999	Human	PRO
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273	589	100.0	105	8	ADE05146	Ade05146	Human	PRO
274	589	100.0	105	8	ADD75359	Add75359	Human	PRO
275	589	100.0	105	8	ADD76903	Add76903	Novel	hum
276	589	100.0	105	8	ADD86671	Add86671	Novel	hum
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278	589	100.0	105	8	ADD78139	Add78139	Novel	hum
279	589	100.0	105	8	ADE18472	Ade18472	Human	PRO
280	589	100.0	105	8	ADE88781	Ade88781	Human	PRO
281	589	100.0	105	8	ADD77647	Add77647	Novel	hum
282	589	100.0	105	8	ADD77893	Add77893	Novel	hum
283	589	100.0	105	8	ADD85351	Add85351	Novel	hum
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286	589	100.0	105	8	ADD77149	Add77149	Novel	hum
287	589	100.0	105	8	ADD85843	Add85843	Novel	hum
288	589	100.0	105	8	ADE05392	Ade05392	Human	PRO
289	589	100.0	105	8	ADD74867	Add74867	Human	PRO

Search completed: August 30, 2004, 07:13:00  
Job time : 57 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 30, 2004, 06:42:29 ; Search time 19 Seconds  
(without alignments)  
285.301 Million cell updates/sec

Title: US-10-027-603-2

Perfect score: 589  
Sequence: 1 MRGATRVSIMLLVTVSDCA.....CSRFPDGRYCSMDLKNINF 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues.

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents\_AA.\*  
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2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
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4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	577	98.0	105	4	US-09-621-976-5350
3	303	51.4	108	4	US-09-712-529-2
4	107.5	18.3	224	4	US-09-161-241-14
5	102	17.3	207	4	US-09-161-241-13
6	102	17.3	259	4	US-09-161-241-12
7	101	17.1	259	4	US-09-161-241-11
8	100.5	17.1	350	4	US-09-161-241-9
9	100.5	17.1	350	4	US-09-907-794A-236
10	100.5	17.1	350	4	US-09-905-125A-236
11	100.5	17.1	350	4	US-09-902-775A-236
12	98.5	16.7	349	4	US-09-161-241-8
13	97	16.5	266	4	US-09-161-241-10
14	97	16.5	266	4	US-09-976-594-1086
15	82	13.9	1342	4	US-09-561-709B-13
16	81	13.8	1964	4	US-09-467-997-1
17	78.5	13.3	163	2	US-08-219-237B-5
18	78.5	13.3	163	3	US-08-477-347-13
19	78.5	13.3	163	3	US-08-476-862-4
20	78.5	13.3	163	3	US-08-468-560C-5
21	78.5	13.3	163	4	US-09-800-909-4
22	78.5	13.3	163	4	US-09-800-908-13
23	75.5	12.8	1101	4	US-09-561-709B-5
24	75.5	12.8	1761	4	US-09-561-709B-1
25	75	12.7	651	1	US-08-264-101-2
26	75	12.7	651	2	US-08-765-243-2
27	75	12.7	651	5	PCT-US95-07295-2

28	75	12.7	734	2	US-08-765-243-8	Sequence 8, Appli
29	75	12.7	734	5	PCT-US95-07295-8	Sequence 8, Appli
30	75	12.7	3075	2	US-08-460-309-5	Sequence 5, Appli
31	75	12.7	3075	2	US-08-125-077-5	Sequence 5, Appli
32	73	12.4	163	4	US-08-828-683A-13	Sequence 13, Appli
33	73	12.4	163	4	US-09-523-323-54	Sequence 54, Appli
34	73	12.4	164	2	US-08-232-087A-9	Sequence 9, Appli
35	73	12.4	227	3	US-08-974-022-48	Sequence 48, Appli
36	73	12.4	227	3	US-08-795-445A-48	Sequence 48, Appli
37	73	12.4	227	3	US-08-795-447A-48	Sequence 48, Appli
38	73	12.4	227	3	US-08-974-186-48	Sequence 48, Appli
39	73	12.4	227	3	US-08-795-446B-48	Sequence 48, Appli
40	73	12.4	227	3	US-08-706-945D-134	Sequence 134, Appli
41	73	12.4	227	4	US-08-577-789C-48	Sequence 48, Appli
42	73	12.4	235	4	US-09-326-394-4	Sequence 4, Appli
43	73	12.4	235	4	US-09-580-235-2	Sequence 2, Appli
44	73	12.4	235	4	US-09-580-235-4	Sequence 4, Appli
45	73	12.4	235	4	US-09-580-235-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1  
US-09-712-529-5  
; Sequence 5, Application US/09712529  
; Patent No. 6485938  
; GENERAL INFORMATION:  
; APPLICANT: Sheppard, Paul O.  
; APPLICANT: Bishop, Paul D.  
; APPLICANT: Whitmore, Theodore E.  
; APPLICANT: Thompson, Penny P.  
; TITLE OF INVENTION: Human Zven Proteins  
; FILE REFERENCE: 99-81  
; CURRENT APPLICATION NUMBER: US/09/712,529  
; CURRENT FILING DATE: 2000-11-14  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-712-529-5

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Best Local Similarity 100.0%; Pred. No. 6.8e-59;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLRGEGEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLRGEGEC 60  
Qy 61 HPGSHKVPFRKRKHHTCTCLPNLLCSRFPDGRYCSMDLKNINF 105  
Db 61 HPGSHKVPFRKRKHHTCTCLPNLLCSRFPDGRYCSMDLKNINF 105

RESULT 2  
US-09-621-976-5350  
; Sequence 5350, Application US/09621976  
; Patent No. 6639063  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Jobert, S.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
; FILE REFERENCE: GENSET.054PR2  
; CURRENT APPLICATION NUMBER: US/09/621,976  
; CURRENT FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 19335  
; SOFTWARE: Patent.pm  
; SEQ ID NO 5350  
; LENGTH: 105

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; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -19...-1
; NAME/KEY: UNSURE
; LOCATION: 38
; OTHER INFORMATION: Xaa = Ala, Gly
US-09-621-976-5350

Query Match      98.0%; Score 577; DB 4; Length 105;
Best Local Similarity 97.1%; Pred. No. 1.5e-57;
Matches 102; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MEGATRVSTMLLVTVSDCAVITGACERDVOCAGTCCCAISLWLRGLRMCTPLGREGEEC 60
Db 1 MEGATRVSTMLLVTVSDCAVITGACERDVOCAGTCCCAISLWLRGLRMCTPLGRKXEEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPPDGRYRCMDLKNINF 105
Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPPDGRYRCMDLKNINF 105

RESULT 3
US-09-712-529-2
; Sequence 2, Application US/09712529
; Patent No. 6485938
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Bishop, Paul D.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Thompson, Penny P.
; TITLE OF INVENTION: Human Zven Proteins
; FILE REFERENCE: 99-81
; CURRENT APPLICATION NUMBER: US/09/712,529
; CURRENT FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-712-529-2

Query Match      51.4%; Score 303; DB 4; Length 108;
Best Local Similarity 55.2%; Pred. No. 9e-27;
Matches 48; Conservative 15; Mismatches 24; Indels 0; Gaps 0;

QY 10 MLLLVTVSDCAVITGACERDVOCAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPF 69
Db 18 LLTPRAGDAVITGACDNDQCGGMCVSIWKSIRICTPMKLGDSCHPLTRKVPF 77

QY 70 FPKRKHTCPCLPNLLCSRFPPDGRYRC 96
Db 78 FGRMRHHTCPCLPLGLACLRITSFNRFC 104

RESULT 4
US-09-161-241-14
; Sequence 14, Application US/09161241
; Patent No. 6344541
; GENERAL INFORMATION:
; APPLICANT: Bass, Michael B
; APPLICANT: Sullivan, John K
; APPLICANT: Theill, Lars E
; APPLICANT: Wang, Daguang
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES
; FILE REFERENCE: A-548
; CURRENT APPLICATION NUMBER: US/09/161,241
; CURRENT FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
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; LENGTH: 224
; TYPE: PRT
; ORGANISM: Human
US-09-161-241-14

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Best Local Similarity 35.5%; Pred. No. 0.00018;
Matches 22; Conservative 5; Mismatches 32; Indels 3; Gaps 1;

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Db 144 SCLRTFDCGFLCCARHFW---TKICKVLLGQVCSRRGHKDTAQAPEIFQRCDCGFL 200

QY 85 LC 86
Db 201 LC 202

RESULT 5
US-09-161-241-13
; Sequence 13, Application US/09161241
; Patent No. 6344541
; GENERAL INFORMATION:
; APPLICANT: Bass, Michael B
; APPLICANT: Sullivan, John K
; APPLICANT: Theill, Lars E
; APPLICANT: Wang, Daguang
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES
; FILE REFERENCE: A-548
; CURRENT APPLICATION NUMBER: US/09/161,241
; CURRENT FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Human
US-09-161-241-13

Query Match      17.3%; Score 102; DB 4; Length 207;
Best Local Similarity 31.5%; Pred. No. 0.00068;
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;

QY 26 CERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKHKHTCPCL 81
Db 131 CLRSSDCIEGFCARHFW---TKICKVLLHOGVCTKORKGSHGLEIFQRCDCGFL 182

QY 82 PNLLCSRFPPDGRY 94
Db 183 KGLSCKVWKDATY 195

RESULT 6
US-09-161-241-12
; Sequence 12, Application US/09161241
; Patent No. 6344541
; GENERAL INFORMATION:
; APPLICANT: Bass, Michael B
; APPLICANT: Sullivan, John K
; APPLICANT: Theill, Lars E
; APPLICANT: Wang, Daguang
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES
; FILE REFERENCE: A-548
; CURRENT APPLICATION NUMBER: US/09/161,241
; CURRENT FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 259
; TYPE: PRT
; ORGANISM: Human
US-09-161-241-12
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Query Match 17.3%; Score 102; DB 4; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.00089;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
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DB 183 CLRSSDCIEGFCARHFW---TKICKPVLHQGEVCTQRKKGSHGLEIFQR-----CDCA 234  
QY 82 PNLLCSRFPDGRY 94  
DB 235 KGLSCKWKDQY 247

RESULT 7  
US-09-161-241-11  
; Sequence 11, Application US/09161241  
; Patent No. 6344541  
; GENERAL INFORMATION:  
; APPLICANT: Bass, Michael B  
; APPLICANT: Sullivan, John K  
; APPLICANT: Theill, Lars E  
; APPLICANT: Wang, Daguang  
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES  
; FILE REFERENCE: A-548  
; CURRENT APPLICATION NUMBER: US/09/161.241  
; CURRENT FILING DATE: 1998-09-25  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 259  
; TYPE: PRT  
; ORGANISM: Mouse  
US-09-161-241-11

Query Match 17.1%; Score 101; DB 4; Length 259;  
Best Local Similarity 31.5%; Pred. No. 0.0011;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;  
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DB 183 CLRSSDCIDGFCARHFW---TKICKPVLHQGEVCTQRKKGSHGLEIFQR-----CDCA 234  
QY 82 PNLLCSRFPDGRY 94  
DB 235 KGLSCKWKDQY 247

RESULT 8  
US-09-161-241-9  
; Sequence 9, Application US/09161241  
; Patent No. 6344541  
; GENERAL INFORMATION:  
; APPLICANT: Bass, Michael B  
; APPLICANT: Sullivan, John K  
; APPLICANT: Theill, Lars E  
; APPLICANT: Wang, Daguang  
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES  
; FILE REFERENCE: A-548  
; CURRENT APPLICATION NUMBER: US/09/161.241  
; CURRENT FILING DATE: 1998-09-25  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 9  
; LENGTH: 350  
; TYPE: PRT  
; ORGANISM: Human  
US-09-161-241-9

Query Match 17.1%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.0018;  
Matches 26; Conservative 3; Mismatches 29; Indels 11; Gaps 4;  
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DB 208 CNDQDCQFGLCCAFQ---RGLFPVCTPLPVEGSLCHDPASRLDLITWELEPDGALDR 264  
QY 78 CPCLNLLC 86  
DB 265 CFCASGLLC 273  
RESULT 9  
US-09-907-794A-236  
; Sequence 236, Application US/09907794A  
; Patent No. 6635468  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: 10466-14  
; CURRENT APPLICATION NUMBER: US/09/907,794A  
; CURRENT FILING DATE: 2001-07-17  
; PRIOR APPLICATION NUMBER: PCT/US00/04414  
; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: US 60/143,048  
; PRIOR FILING DATE: 1999-07-07  
; PRIOR APPLICATION NUMBER: US 60/145,698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: PCT/US99/20594  
; PRIOR FILING DATE: 1999-09-08  
; PRIOR APPLICATION NUMBER: PCT/US99/20944  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: PCT/US99/21090  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/21547  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/23089  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30  
; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 236  
; LENGTH: 350  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-907-794A-236

Query Match 17.1%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.0018;  
Matches 26; Conservative 3; Mismatches 29; Indels 11; Gaps 4;  
QY 26 CERDVCCAGTCCATSLWRLG--RMCTPLRGEGECH-PGSHKVPFFRKXK-----HT 77  
Db 208 CDNQRCQPGLCACAFQ---RGLLFPVCTPLPVEGELCHDPASRLDLITWELEPDGALDR 264  
QY 78 CPCLPNLLC 86  
Db 265 CPCASGLLC 273

RESULT 10  
US-09-905-125A-236  
; Sequence 236, Application US/09905125A  
; Patent No. 6664376  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/905,125A  
CURRENT FILING DATE: 2001-07-12  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/23089  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30  
; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 236  
; LENGTH: 350  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-905-125A-236

Query Match 17.1%; Score 100.5; DB 4; Length 350;  
Best Local Similarity 37.7%; Pred. No. 0.0018;  
Matches 26; Conservative 3; Mismatches 29; Indels 11; Gaps 4;  
QY 26 CERDVCCAGTCCATSLWRLG--RMCTPLRGEGECH-PGSHKVPFFRKXK-----HT 77  
Db 208 CDNQRCQPGLCACAFQ---RGLLFPVCTPLPVEGELCHDPASRLDLITWELEPDGALDR 264  
QY 78 CPCLPNLLC 86  
Db 265 CPCASGLLC 273

RESULT 11  
US-09-902-775A-236  
; Sequence 236, Application US/09902775A  
; Patent No. 6686451  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: 10466-14

Mon Aug 30 06:56:21 2004

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; CURRENT APPLICATION NUMBER: US/09/902.775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 236
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-902-775A-236

Query Match      17.1%; Score 100.5; DB 4; Length 350;
Best Local Similarity 37.7%; Pred. No. 0.0018;
Matches 26; Conservative 3; Mismatches 29; Indels 11; Gaps 4;

QY 26 CERDVQCGAGTCCALSMLRGL--RMCTPLGREGECH-PGSHKVPFPRKXK-----HT 77
DB 208 CDNQDCCQGLCCAFQ---RGLLFPVCTPLPVEGELCHDPASRLDLITWELEPEGALDR 264

QY 78 CPCLPNLLC 86
DB 265 CFCASGLLC 273

RESULT 12
US-09-161-241-8
; Sequence 8, Application US/09161241
; Patent No. 6344541
; GENERAL INFORMATION:
; APPLICANT: Bass, Michael B
; APPLICANT: Sullivan, John K
; APPLICANT: Theill, Lars E
; APPLICANT: Wang, Daguang
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES
; FILE REFERENCE: A-548
; CURRENT APPLICATION NUMBER: US/09/161,241
; CURRENT FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 8
; LENGTH: 266
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-161-241-10

Query Match      16.5%; Score 97; DB 4; Length 266;
Best Local Similarity 32.3%; Pred. No. 0.0033;
Matches 21; Conservative 9; Mismatches 23; Indels 12; Gaps 3;

QY 26 CERDVQCGAGTCCALSMLRGL--RMCTPLGREGECH-PGSHKVPFPRKXKHTCPCL 81
DB 189 CURSSDCASGLCCARHF--SKICKPVLKQVCTKRRKSGHGLEIFOR-----CYCG 240

QY 82 PNLLC 86
DB 241 EGLSC 245

RESULT 14
US-09-976-594-1086
; Sequence 1086, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 1086
; LENGTH: 266
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 2481150CD1

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; TYPE: PRT
; ORGANISM: Mouse
; US-09-161-241-8

Query Match      16.7%; Score 98.5; DB 4; Length 349;
Best Local Similarity 37.7%; Pred. No. 0.003;
Matches 26; Conservative 4; Mismatches 28; Indels 11; Gaps 4;

QY 26 CERDVQCGAGTCCALSMLRGL--RMCTPLGREGECH-PGSHKVPFPR-----KRKHHT 77
DB 208 CDNQDCCQGLCCAFQ---RGLLFPVCTPLPVEGELCHDPFSLDLITWELEPEGALDR 264

QY 78 CPCLPNLLC 86
DB 265 CFCASGLLC 273

RESULT 13
US-09-161-241-10
; Sequence 10, Application US/09161241
; Patent No. 6344541
; GENERAL INFORMATION:
; APPLICANT: Bass, Michael B
; APPLICANT: Sullivan, John K
; APPLICANT: Theill, Lars E
; APPLICANT: Wang, Daguang
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES
; FILE REFERENCE: A-548
; CURRENT APPLICATION NUMBER: US/09/161,241
; CURRENT FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 266
; TYPE: PRT
; ORGANISM: Human
; US-09-161-241-10

Query Match      16.5%; Score 97; DB 4; Length 266;
Best Local Similarity 32.3%; Pred. No. 0.0033;
Matches 21; Conservative 9; Mismatches 23; Indels 12; Gaps 3;

QY 26 CERDVQCGAGTCCALSMLRGL--RMCTPLGREGECH-PGSHKVPFPRKXKHTCPCL 81
DB 189 CURSSDCASGLCCARHF--SKICKPVLKQVCTKRRKSGHGLEIFOR-----CYCG 240

QY 82 PNLLC 86
DB 241 EGLSC 245

RESULT 14
US-09-976-594-1086
; Sequence 1086, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 1086
; LENGTH: 266
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 2481150CD1

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US-09-976-594-1086

Query Match 16.5%; Score 97; DB 4; Length 266;  
 Best Local Similarity 32.3%; Pred. No. 0.0033;  
 Matches 21; Conservative 9; Mismatches 23; Indels 12; Gaps 3;  
 QY 26 CERDVCGAGTCAISLWRLGRLMCTPLGREGEC-----HPGSHKVPFFRKXKHHCTCPCL 81  
 Db 189 CLRSSDCASGLCCARFW---SKICKPVLKEGQVCTKRRKKGSHGLEIFOR-----CYCG 240  
 QY 82 PNLIC 86  
 Db 241 EGLSC 245

RESULT 15

US-09-561-709B-13  
 ; Sequence 13, Application US/09561709B  
 ; Patent No. 6682911  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Burgeson, Robert  
 ; APPLICANT: Champilaud, Marie-France  
 ; APPLICANT: Olson, Pamela  
 ; APPLICANT: Koch, Manuel  
 ; APPLICANT: Brunken, William  
 ; TITLE OF INVENTION: LAMININS AND USES THEREOF  
 ; FILE REFERENCE: 10287-060001  
 ; CURRENT APPLICATION NUMBER: US/09/561,709B  
 ; CURRENT FILING DATE: 2000-05-01  
 ; PRIOR APPLICATION NUMBER: US 09/168,949  
 ; PRIOR FILING DATE: 1998-10-09  
 ; PRIOR APPLICATION NUMBER: US 60/061,609  
 ; PRIOR FILING DATE: 1997-10-10  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 13  
 ; LENGTH: 1342  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Consensus sequence  
 US-09-561-709B-13

Query Match 13.9%; Score 82; DB 4; Length 1342;  
 Best Local Similarity 35.0%; Pred. No. 0.97;  
 Matches 28; Conservative 4; Mismatches 36; Indels 12; Gaps 4;  
 QY 14 VTVSDCAVITGACERDVCGAGTCAISLWRLGRLMCTPLGREGE--ECHPGSHKVPFFR 71  
 Db 797 VTDPECRV-TGECURCLHTGACQLKFGHYGSALQTCRCSCAGSPMECPFGCLCDPV-- 853  
 QY 72 KRKHHTCPCLPN---LLCSR 88  
 Db 854 ---TGCPCLPENVTLACDR 869

Search completed: August 30, 2004, 06:48:13  
 Job time : 21 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: August 30, 2004, 07:03:21 ; Search time 125 Seconds  
(without alignments)  
237.340 Million cell updates/sec

Title: US-10-027-603-2

Perfect score: 589

Sequence: 1 MEGATRVSIMLLNTVSDCA.....CSRFPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 289

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 250 summaries

Database : A Geneseq 29Jan04:.\*  
1: Geneseqp1980s:.\*  
2: Geneseqp1990s:.\*  
3: Geneseqp2000s:.\*  
4: Geneseqp2001s:.\*  
5: Geneseqp2002s:.\*  
6: Geneseqp2003as:.\*  
7: Geneseqp2003bs:.\*  
8: Geneseqp2004s:.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	589	100.0	105	3	AA618453
3	589	100.0	105	4	AA670148
4	589	100.0	105	4	AA668427
5	589	100.0	105	4	AAU12406
6	589	100.0	105	4	AA653096
7	589	100.0	105	4	AA655268
8	589	100.0	105	4	AA648175
9	589	100.0	105	4	AA648067
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11	589	100.0	105	5	AAU83674
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18	589	100.0	105	6	ABU59161
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					AB670148 Human G p
					AB68427 Amino aci
					AAU12406 Human PRO
					AA653096 Human ang
					AA655268 Human PRO
					AB648175 Human PRO
					AB48067 Human ext
					AA650773 Endocrine
					AAU83674 Human PRO
					AB684902 Human PRO
					AAO15527 Human phy
					AB606308 Human G p
					AA624382 Human ang
					AB695508 Human ang
					ABU58083 Human PRO
					ABU59161 Novel hum
					ABU82673 Human sec
					ABO17850 Novel hum
					ABU60592 Human sec
					ABU80821 Human PRO
					ABO33787 Novel hum
					ABU13974 Human PRO
					ABU08800 Human end

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27	589	100.0	105	6	ABU07603	Human ZVE
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29	589	100.0	105	6	ABU66804	Human PRO
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32	589	100.0	105	6	ABO26005	Human PRO
33	589	100.0	105	6	ABO25075	Human sec
34	589	100.0	105	6	ABU82130	Novel hum
35	589	100.0	105	6	ABU59014	Human sec
36	589	100.0	105	6	ABU92392	Novel hum
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39	589	100.0	105	6	ABU92223	Novel hum
40	589	100.0	105	6	ABU10929	Human PRO
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46	589	100.0	105	6	ABJ72310	Human PRO
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48	589	100.0	105	6	ADA61693	Homo sapi
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69	589	100.0	105	6	ADA94134	Human PRO
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74	589	100.0	105	6	ADA74596	Human PRO
75	589	100.0	105	6	ADB24829	Human PRO
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77	589	100.0	105	6	ADA75316	Human PRO
78	589	100.0	105	6	ADA85394	Novel hum
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83	589	100.0	105	6	ADA38812	Human sec
84	589	100.0	105	6	ADA47093	Human PRO
85	589	100.0	105	6	ADB25389	Human PRO
86	589	100.0	105	6	ADA93565	Human PRO
87	589	100.0	105	6	ADB26915	Human PRO
88	589	100.0	105	6	ADB33202	Human PRO
89	589	100.0	105	6	ABJ72438	Human PRO
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91	589	100.0	105	6	ADA61130	Homo sapi
92	589	100.0	105	6	ADB24277	Human PRO
93	589	100.0	105	6	ADA96606	Human PRO
94	589	100.0	105	6	ADA81178	Human PRO
95	589	100.0	105	6	ADA96054	Human PRO
96	589	100.0	105	6	ADB28363	Human PRO
97	589	100.0	105	6	ADB21848	Novel hum
98	589	100.0	105	6	ABO34333	Human sec



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 247 589 100.0 105 8 ADD76655 Human PRO  
 248 589 100.0 105 8 ADD75113 Human PRO  
 249 589 100.0 105 8 ADD75859 Novel hum  
 250 589 100.0 105 8 ADD85091 Novel hum

## ALIGNMENTS

## RESULT 1

AAV66745

ID AAY66745 standard; protein; 105 AA.

XX

AC AAY66745;

DT 05-APR-2000 (first entry)

XX

XX Membrane-bound protein PRO1186.

XX

KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;  
 pharmacological; receptor immunoassay; gene mapping.

XX

OS Homo sapiens.

PN WO9603088-A2.

XX

XX 09-DEC-1999.

PD

PF 02-JUN-1999; 99WO-US012252.

XX

FR 02-JUN-1998; 98US-0087607P.

FR

FR 02-JUN-1998; 98US-0087609P.

FR

FR 03-JUN-1998; 98US-0087759P.

PR

PR 04-JUN-1998; 98US-0088021P.

PR

PR 04-JUN-1998; 98US-0088025P.

PR

PR 04-JUN-1998; 98US-0088028P.

PR

PR 04-JUN-1998; 98US-0088030P.

PR

PR 04-JUN-1998; 98US-0088033P.

PR

PR 04-JUN-1998; 98US-0088326P.

PR

PR 05-JUN-1998; 98US-0088167P.

PR

PR 05-JUN-1998; 98US-0088202P.

PR

PR 05-JUN-1998; 98US-0088212P.

PR

PR 05-JUN-1998; 98US-0088217P.

PR

PR 09-JUN-1998; 98US-0088655P.

PR

PR 10-JUN-1998; 98US-0088722P.

PR

PR 10-JUN-1998; 98US-0088730P.

PR

PR 10-JUN-1998; 98US-0088734P.

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PR 10-JUN-1998; 98US-0088738P.

PR

PR 10-JUN-1998; 98US-0088740P.

PR

PR 10-JUN-1998; 98US-0088741P.

PR

PR 10-JUN-1998; 98US-0088742P.

PR

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PR

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PR

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 PR 17-JUN-1998; 98US-0089653P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 19-JUN-1998; 98US-0089947P.  
 PR 19-JUN-1998; 98US-0089948P.  
 PR 19-JUN-1998; 98US-0089952P.  
 PR 22-JUN-1998; 98US-0090246P.  
 PR 22-JUN-1998; 98US-0090252P.  
 PR 22-JUN-1998; 98US-0090254P.  
 PR 23-JUN-1998; 98US-0090349P.  
 PR 23-JUN-1998; 98US-0090355P.  
 PR 24-JUN-1998; 98US-0090439P.  
 PR 24-JUN-1998; 98US-0090431P.  
 PR 24-JUN-1998; 98US-0090435P.  
 PR 24-JUN-1998; 98US-0090444P.  
 PR 24-JUN-1998; 98US-0090445P.  
 PR 24-JUN-1998; 98US-0090461P.  
 PR 24-JUN-1998; 98US-0090472P.  
 PR 24-JUN-1998; 98US-0090535P.  
 PR 24-JUN-1998; 98US-0090538P.  
 PR 24-JUN-1998; 98US-0090540P.  
 PR 24-JUN-1998; 98US-0090557P.  
 PR 25-JUN-1998; 98US-0090676P.  
 PR 25-JUN-1998; 98US-0090678P.  
 PR 25-JUN-1998; 98US-0090688P.  
 PR 25-JUN-1998; 98US-0090690P.  
 PR 25-JUN-1998; 98US-0090691P.  
 PR 25-JUN-1998; 98US-0090694P.  
 PR 25-JUN-1998; 98US-0090695P.  
 PR 25-JUN-1998; 98US-0090696P.  
 PR 26-JUN-1998; 98US-0090862P.  
 PR 26-JUN-1998; 98US-0090863P.  
 PR 01-JUL-1998; 98US-0091358P.  
 PR 01-JUL-1998; 98US-0091360P.  
 PR 02-JUL-1998; 98US-0091478P.  
 PR 02-JUL-1998; 98US-0091486P.  
 PR 02-JUL-1998; 98US-0091519P.  
 PR 02-JUL-1998; 98US-0091544P.  
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 PR 02-JUL-1998; 98US-0091628P.  
 PR 02-JUL-1998; 98US-0091633P.  
 PR 02-JUL-1998; 98US-0091646P.  
 PR 02-JUL-1998; 98US-0091673P.  
 PR 07-JUL-1998; 98US-0091978P.  
 PR 07-JUL-1998; 98US-0091982P.  
 PR 09-JUL-1998; 98US-0092182P.  
 PR 10-JUL-1998; 98US-0092472P.  
 PR 20-JUL-1998; 98US-0093339P.  
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 PR 04-AUG-1998; 98US-0095282P.  
 PR 04-AUG-1998; 98US-0095285P.  
 PR 04-AUG-1998; 98US-0095301P.  
 PR 04-AUG-1998; 98US-0095302P.  
 PR 04-AUG-1998; 98US-0095318P.  
 PR 04-AUG-1998; 98US-0095321P.  
 PR 04-AUG-1998; 98US-0095325P.  
 PR 10-AUG-1998; 98US-0095916P.  
 PR 10-AUG-1998; 98US-0095929P.  
 PR 11-AUG-1998; 98US-0096012P.  
 PR 11-AUG-1998; 98US-0096143P.  
 PR 11-AUG-1998; 98US-0096145P.  
 PR 12-AUG-1998; 98US-0096325P.  
 PR 17-AUG-1998; 98US-0096757P.  
 PR 17-AUG-1998; 98US-0096766P.  
 PR 17-AUG-1998; 98US-0096768P.  
 PR 17-AUG-1998; 98US-0096773P.  
 PR 17-AUG-1998; 98US-0096791P.  
 PR 17-AUG-1998; 98US-0096867P.  
 PR 17-AUG-1998; 98US-0096891P.  
 PR 17-AUG-1998; 98US-0096894P.  
 PR 17-AUG-1998; 98US-0096895P.

17-AUG-1998; 98US-0096897P.  
 18-AUG-1998; 98US-0096949P.  
 18-AUG-1998; 98US-0096950P.  
 18-AUG-1998; 98US-0096959P.  
 18-AUG-1998; 98US-0096960P.  
 19-AUG-1998; 98US-0097022P.  
 20-AUG-1998; 98US-0097141P.  
 24-AUG-1998; 98US-0097218P.  
 24-AUG-1998; 98US-0097661P.  
 26-AUG-1998; 98US-0097951P.  
 26-AUG-1998; 98US-0097952P.  
 26-AUG-1998; 98US-0097954P.  
 26-AUG-1998; 98US-0097955P.  
 26-AUG-1998; 98US-0097971P.  
 26-AUG-1998; 98US-0097974P.  
 26-AUG-1998; 98US-0097978P.  
 26-AUG-1998; 98US-0097979P.  
 26-AUG-1998; 98US-0097986P.  
 31-AUG-1998; 98US-0098014P.  
 16-SEP-1998; 98US-0098525P.  
 12-JAN-1999; 98US-0100634P.  
 99US-0115563P.  
 (GETH ) GENENTECH INC.  
 Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;  
 Wood WI, Yuan J;  
 WPI; 2000-072883/06.  
 N-PSDB; AA265091.  
 Membrane-bound proteins and related nucleotide sequences.  
 Claim 12; Fig 266; 822pp; English.  
 The invention provides membrane-bound PRO polypeptides and polynucleotides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE ligands and various enzymes. The membrane-bound proteins and receptor molecules are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be employed for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interaction. The PRO encoding sequences are useful as hybridization probes, in chromosome and gene mapping and in the generation of antisense RNA and DNA. PRO nucleic acid sequences will also be useful for the preparation of PRO polypeptides, especially by recombinant techniques  
 Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 3; Length 105;  
 Best Local Similarity 100.0%; Pred. NO. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGREGEC 60  
 Db 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGREGEC 60  
 Qy 61 HPGSHKVPFRKHKHTPCPLNLLCSRPDPGGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFRKHKHTPCPLNLLCSRPDPGGRYRCSMDLKNINF 105  
 RESULT 2  
 ID AAB18453  
 XX AAB18453 standard; protein; 105 AA.  
 AC AAB18453;  
 XX  
 DT 15-JAN-2001 (first entry)  
 XX

DE XX A human TANGO 266 polypeptide.  
 KW TANGO 266; TANGO 216; TANGO 261; TANGO 262; TANGO 267;  
 KW cellular proliferation; cellular differentiation; cellular adhesion;  
 KW von Willebrand factor-associated disorder; cell trafficking; cancer;  
 KW hematopoietic associated disease; atelectasis; pulmonary congestion;  
 KW edema; emphysema; chronic bronchitis; bronchial asthma; bronchiectasis;  
 KW intestinal disorder; spleen associated disease; renal disorder;  
 KW cardiovascular disorder; ischemic heart disease; hydrocephalus;  
 KW brain herniation; iatrogenic disease; inflammation; meningitis;  
 KW Alzheimer's Disease; cerebral toxoplasmosis; Parkinson's disease;  
 KW multiple sclerosis; hydrocephalus; encephalitis; hepatic disorder.  
 XX Homo sapiens.  
 OS  
 XX  
 FH Key Location/Qualifiers  
 FT Peptide 1..19  
 FT Protein /note="signal sequence"  
 FT 20..106  
 FT /note="mature protein"  
 XX WO2000052022-A1.  
 XX  
 XX 08-SEP-2000.  
 XX 01-MAR-2000; 2000WO-US005226.  
 XX  
 XX 01-MAR-1999; 99US-0122458P.  
 XX  
 XX (MILL-) MILLENNIUM PHARM INC.  
 XX Barnes TM, Holtzman DA, Sharp JD, Fraser CC;  
 XX WPI; 2000-579269/54.  
 XX N-PSDB; AA75155.  
 XX Novel human and murine secreted proteins designated TANGO 216, 261, 262,  
 XX 266 and 267 useful as modulating agents of cellular processes, e.g. for  
 XX treating cancer.  
 XX  
 XX Claim 8; Fig 14; 175pp; English.  
 XX The present sequence represents a human TANGO 266 polypeptide. The  
 XX specification also describes TANGO 262, TANGO 216, TANGO 261, and TANGO  
 XX 267. The TANGO polypeptides can be used to modulate cellular  
 XX proliferation, modulate cellular differentiation and/or modulate cellular  
 XX adhesion. The proteins can be used to treat any von Willebrand factor-  
 XX associated disorder, regulate extracellular matrix structuring, cellular  
 XX adhesion, and cell trafficking and/or migration, modulate cellular  
 XX interactions, modulate cell adhesion in proliferative disorders, such as  
 XX cancer, modulate the proliferation, differentiation, and/or function of  
 XX cells that appear in the bone marrow, and leukocytes, treat bone marrow,  
 XX blood and hematopoietic associated diseases and disorders, atelectasis,  
 XX pulmonary congestion or edema, emphysema, chronic bronchitis, bronchial  
 XX asthma and bronchiectasis, intestinal disorders, spleen associated  
 XX diseases, modulate renal disorders, treat cardiovascular disorders such  
 XX as ischemic heart disease, modulate the proliferation, differentiation,  
 XX and/or function of bone and cartilage cells and to treat bone and/or  
 XX cartilage associated diseases or disorder. They may also be used to treat  
 XX disorders associated with the ovaries, cerebral oedema, hydrocephalus,  
 XX brain herniations, iatrogenic disease, inflammations, bacterial and viral  
 XX meningitis, Alzheimer's Disease, cerebral toxoplasmosis, Parkinson's  
 XX disease, multiple sclerosis, brain cancers, hydrocephalus and  
 XX encephalitis, and treat hepatic disorders  
 XX  
 XX Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 3; Length 105;  
 Best Local Similarity 100.0%; Pred. NO. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGREGEC 60  
 |||||  
 |||||





RESULT 5  
AAU12406  
ID AAU12406 standard; protein; 105 AA.  
XX  
AC AAU12406;  
XX  
DT 24-OCT-2001 (first entry)  
XX  
DE Human PRO1186 polypeptide sequence.  
XX  
KW Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;  
KW prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;  
KW ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;  
KW A-peptide; factor VIIa; Gene therapy.  
XX  
OS Homo sapiens.  
XX  
PN WO20010466-A2.  
XX  
PD 07-JUN-2001.  
XX  
PF 01-DEC-2000; 2000WO-US032678.  
XX  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 02-DEC-1999; 99WO-US028551.  
PR 02-DEC-1999; 99WO-US028564.  
PR 02-DEC-1999; 99WO-US028565.  
PR 09-DEC-1999; 99US-0170262P.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030939.  
PR 30-DEC-1999; 99WO-US031243.  
PR 30-DEC-1999; 99WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 03-MAR-2000; 2000US-0187202P.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006894.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 21-MAR-2000; 2000WO-US007532.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 05-JUN-2000; 2000US-0209832P.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023528.  
PR 08-NOV-2000; 2000WO-US030352.  
PR 10-NOV-2000; 2000WO-US030873.  
XX  
FA (GETH) GENENTECH INC.  
XX  
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
PI Geritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tomas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
DR WPI; 2001-408281/43.  
DR N-PSDB; AAS21478.  
XX  
FT Isolated, secretory and transmembrane PRO polypeptide used to detect

other PRO polypeptides, link bioactive molecules to cells expressing PRO polypeptides, and detect the presence of mammalian tumors e.g. lung, breast, prostate, cervical.  
Claim 12; Fig 470; 813pp; English.  
XX  
XX AAU12172-AAU12446 represent novel human secretory and transmembrane PRO polypeptides. The PRO polypeptides are useful to detect other PRO polypeptides, to link bioactive molecules to cells expressing PRO polypeptides, to modulate biological activities of cells expressing PRO polypeptides, and to detect the presence of mammalian lung, colon, breast, prostate, rectal, cervical or liver tumours by comparing PRO polypeptide expression in a cell sample to that in a control sample. Some of the 275 sequences are also useful to stimulate the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or differentiation of chondrocytes, the proliferation or gene expression in pericyte cells, the release of proteoglycans from cartilage, the proliferation of inner ear utricular supporting cells or of T-lymphocytes, the release of a cytokine from peripheral blood monocytes (PBMCs), or the proliferation of endothelial cells. Some of the PRO polypeptides may modulate glucose or free fatty acid uptake by skeletal muscle cells or by adipocytes; or inhibit binding of A-peptide to factor VIIa. The PRO polypeptides can be used in assays to identify molecules involved in binding interactions. The polynucleotides encoding PRO polypeptides can be used to generate probes, antisense RNA/DNA, transgenic or knock out animals and can be used in gene therapy  
XX  
SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 4; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
Db 1 MEGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
QY 61 HFGSHKVPFFRKRRKHTCPLNLLCSRPDPGRYRCSDMLKNINF 105  
Db 61 HFGSHKVPFFRKRRKHTCPLNLLCSRPDPGRYRCSDMLKNINF 105  
RESULT 6  
AAB53096  
ID AAB53096 standard; protein; 105 AA.  
XX  
AC AAB53096;  
XX  
DT 28-FEB-2001 (first entry)  
XX  
DE Human angiogenesis-associated protein PRO1186, SEQ ID NO:155.  
XX  
KW Human; angiogenesis-associated protein; PRO; endothelial cell growth;  
KW cardiac hypertrophy; cardiovascular disorder; endothelial disorder;  
KW angiogenic disorder; atherosclerosis; osteoporosis; hypertension;  
KW myocardial infarction; diabetic retinopathy; rheumatoid arthritis;  
KW Crohn's disease; psoriasis; endometriosis; ulcer; wound healing; cancer;  
KW Alzheimer's disease; Huntington's disease; stroke; drug screening;  
KW Gene therapy; transgenic animal.  
XX  
OS Homo sapiens.  
XX  
PN WO200053753-A2.  
XX  
PD 14-SEP-2000.  
XX  
PF 05-JAN-2000; 2000WO-US0000219.  
XX  
PR 08-MAR-1999; 99WO-US005028.  
PR 12-MAR-1999; 99US-0123957P.  
PR 14-MAY-1999; 99US-0134287P.  
PR 02-JUN-1999; 99WO-US012252.  
PR 23-JUN-1999; 99US-0141037P.

PR 20-JUL-1999; 99US-0144738P.  
PR 26-JUL-1999; 99US-0145698P.  
PR 01-SEP-1999; 99WO-US020111.  
PR 08-SEP-1999; 99WO-US020594.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 30-NOV-1999; 99WO-US028313.  
PR 30-NOV-1999; 99WO-US028409.  
PR 02-DEC-1999; 99WO-US028564.  
PR 02-DEC-1999; 99WO-US028565.  
XX (GETH ) GENENTECH INC.  
XX Ashkenazi AJ, Baker KP, Ferrara N, Gerber H, Goddard A;  
PI Godowski PJ, Gurney AL, Hillan KJ, Kuo SS, Mark MR, Marsters SA;  
PI Paoni NF, Pitti RM, Watanabe CK, Williams PM, Wood WI;  
XX  
DR WPI; 2001-090793/10.  
DR N-PSDB; AAC97496.  
XX  
PT New isolated nucleic acid for producing a PRO polypeptide, analyzing  
PT genetic disorders and treating cardiovascular endothelial or angiogenic  
PT disorders, such as atherosclerosis, wounds or cancer.  
XX  
PS Claim 69; Fig 66; 293pp; English.  
XX  
CC The invention relates to novel human angiogenesis-associated proteins  
CC designated PRO proteins (AAB53064-B53097), and to nucleic acids encoding  
CC PRO proteins. The invention also relates to vectors and host cells  
CC comprising a PRO nucleic acid, the recombinant production of a PRO  
CC protein, PRO antibodies specific for a PRO protein, fusion proteins  
CC comprising a PRO protein, agonists or antagonists of a PRO protein, and  
CC compounds which inhibit the expression of a PRO gene. The invention  
CC additionally encompasses methods of identifying modulators of PRO  
CC expression or activity; diagnosing a cardiovascular, endothelial or  
CC angiogenic disorder or a susceptibility to such a disorder by detecting  
CC mutations in a PRO gene, or the expression level of a PRO gene within a  
CC particular tissue; treating a cardiovascular, endothelial or angiogenic  
CC disorder via the administration of a PRO protein, PRO nucleic acid, or  
CC PRO agonist or antagonist; a retroviral gene therapy vector comprising a  
CC PRO nucleic acid; and methods of inhibiting or stimulating endothelial  
CC cell growth, cardiac hypertrophy or PRO-induced angiogenesis via the  
CC administration of a PRO protein, or an agonist or antagonist thereof. PRO  
CC nucleic acids, PRO proteins, or an agonist or antagonist thereof, PRO  
CC agonists and PRO antagonists may be used as therapeutic agents to treat  
CC cardiovascular, endothelial or angiogenic disorders, such as  
CC atherosclerosis, osteoporosis, myocardial infarction, hypertension,  
CC diabetic retinopathy, rheumatoid arthritis, Crohn's disease, psoriasis,  
CC endometriosis, ulcers, wounds, cancer, Alzheimer's disease, Huntington's  
CC disease, or stroke. PRO nucleic acids are additionally useful in the  
CC recombinant production of PRO proteins, as hybridisation probes to screen  
CC libraries to isolate cDNAs with sequence identity to PRO proteins, to map  
CC genes encoding PRO proteins, to analyse genetic disorders, and in gene  
CC therapy. PRO nucleic acids can also be used to produce transgenic animals  
CC useful for the development and screening of potential therapeutic agents.  
CC The present sequence represents a PRO protein of the invention  
XX  
SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 4; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSMILLVTVSDCAVITGACERDVCGAGTCACISILWRLGRLMCTPLGREGEEC 60  
DB 1 MEGATRVSMILLVTVSDCAVITGACERDVCGAGTCACISILWRLGRLMCTPLGREGEEC 60  
QY 61 HFGSHKVPFFRRKHHTTCEPLNLILCSRFPDGRYRCSMDLNKINF 105  
DB 61 HFGSHKVPFFRRKHHTTCEPLNLILCSRFPDGRYRCSMDLNKINF 105

RESULT 7  
AAB65268  
ID AAB65268 standard; protein; 105 AA.  
XX  
AC AAB65268;  
XX  
DT 02-APR-2001 (first entry)  
XX  
DE Human PRO1186 (UNC600) protein sequence SEQ ID NO:371.  
XX  
KW Human; secreted and transmembrane protein; PRO; cytostatic; cell death;  
KW cancer; chromosomal mapping; gene mapping; tissue typing;  
KW diagnostic assay.  
XX  
OS Homo sapiens.  
XX  
PN WO2000073454-A1.  
XX  
PD 07-DEC-2000.  
XX  
PF 30-MAR-2000; 2000WO-US008439.  
XX  
PR 02-JUN-1999; 99WO-US012252.  
PR 23-JUN-1999; 99US-0141037P.  
PR 07-JUL-1999; 99US-0143048P.  
PR 20-JUL-1999; 99US-0144758P.  
PR 26-JUL-1999; 99US-0145698P.  
PR 28-JUL-1999; 99US-0146222P.  
PR 17-AUG-1999; 99US-0149396P.  
PR 15-SEP-1999; 99WO-US021090.  
PR 13-SEP-1999; 99WO-US021547.  
PR 08-OCT-1999; 99US-0158663P.  
PR 30-NOV-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028301.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 08-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
XX  
(GETH ) GENENTECH INC.  
XX  
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi CJ, Gurney AL, Kujavin JJ, Napier MA, Pan J, Paoni NF;  
PI Roy MA, Stewart RA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
PI Zhang Z;  
XX  
DR WPI; 2001-032160/04.  
DR N-PSDB; AAF44237.  
XX  
PT PRO polynucleotides used to produce polypeptides used to target bioactive  
PT molecules such as toxins, radiolabels or antibodies, to specific cells,  
PT to cause targeted cell death.  
XX  
PS Claim 12; Fig 266; 935pp; English.  
XX  
CC The present invention describes human secreted and transmembrane PRO  
CC proteins. The PRO proteins have cytostatic activity. The PRO proteins can  
CC be used for targeted delivery of bioactive molecules, such as toxins,  
CC radiolabels or antibodies, that cause cell death. PRO nucleotide  
CC sequences, and their fragments, can be used as hybridisation probes, in  
CC chromosomal and gene mapping, and in the generation of anti-sense RNA  
CC DNA. They may also be used to produce transgenic animals which are used  
CC to develop and screen therapeutically useful reagents. The PRO nucleotide  
CC and protein sequence can be used for tissue typing and in treating

CC cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to  
 CC AAF4470 represent PCR primers and hybridisation probes used in the  
 CC isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to  
 CC AAB65300 represent human PRO polynucleotide and protein sequences given  
 CC in the exemplification of the present invention  
 XX  
 XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
 DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFRKRKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105  
 DB 61 HPGSHKVPFRKRKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105

## RESULT 8

AAB48175  
 ID AAB48175 standard; protein; 105 AA.

XX AAB48175;

DT 02-APR-2001 (first entry)

XX Human PRO1186 polypeptide.

XX PRO1186; PRO184; neoplastic; cell growth; tumour; cancer; breast;  
 KW ovarian; renal; colorectal; uterine; prostate; lung; melanoma;  
 KW central nervous system; leukemia; antitumor; cytostatic.

XX Homo sapiens.

XX Key Location/Qualifiers

FT Peptide 1..19

FT Protein /note= "signal sequence"

FT Protein 20..105

FT Modified-site /note= "mature protein"

FT Modified-site 33..39

FT Modified-site /note= "N-myristoylation site"

FT Modified-site 35..41

FT Modified-site /note= "N-myristoylation site"

FT Modified-site 46..52

FT Modified-site /note= "N-myristoylation site"

FT Modified-site 88..95

FT /note= "tyrosine kinase phosphorylation site"

XX WO200075327-A1.

PN 14-DEC-2000.

PD 24-FEB-2000; 2000WO-US004914.

PF 02-JUN-1999; 99WO-US012252.

PR 26-JUL-1999; 99US-0145698P.

PR 05-JAN-2000; 2000WO-US000219.

XX (GETH ) GENENTECH INC.

XX Ashkenazi AJ, Hillan KJ, Napier MA, Watanabe CK, Wood WI;

XX WPI; 2001-071078/08.

XX N-PSDB; AAC84469.

XX Compositions for inhibiting neoplastic cell growth and treating tumor, a

PT cancer, comprises novel PRO1186 or PRO184 polypeptides or its agonist.

XX Claim 31; Fig 2; 104pp; English.

PS

CC The invention provides PRO1186 and PRO184 polypeptides that can be used  
 CC for the inhibition of neoplastic cell growth and for treating tumours.  
 CC The PRO polypeptides can be expressed by standard recombinant  
 CC methodology. The PRO polypeptides or their agonists are useful for  
 CC inhibition of neoplastic cell growth and for treating tumours, cancers  
 CC such as breast, ovarian, renal, colorectal, uterine, prostate, lung,  
 CC bladder or central nervous system cancers or melanoma and leukemia. The  
 CC present sequence represents the human PRO1186 polypeptide (encoding cDNA  
 XX clone ID: DNA60621-1516)

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
 DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFRKRKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105

DB 61 HPGSHKVPFRKRKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105

## RESULT 9

AAB48067

ID AAB48067 standard; protein; 105 AA.

XX AAB48067;

DT 19-MAR-2001 (first entry)

XX Human extracellular signaling molecule (EXCS) (ID 2006548CD1).

XX Extracellular signaling molecule; EXCS; anti-inflammatory; human;  
 KW immunosuppressive; cytostatic; neuroprotective; gastrointestinal;  
 KW viricide; antibacterial; anti-HIV; human immunodeficiency virus;  
 KW antiinfertility; cerebroprotective; nootropic; antitumor; antifungal;  
 KW anticonvulsant; tranquilizer; neuroleptic; vasotropic; gynecological;  
 KW keratolytic; protozoacide; gene therapy.

XX Homo sapiens.

XX WO200070049-A2.

PN 23-NOV-2000.

PD 19-MAY-2000; 2000WO-US013975.

PF 19-MAY-1999; 99US-0134949P.

PR 15-JUL-1999; 99US-0144270P.

PR 30-JUL-1999; 99US-0146700P.

PR 04-OCT-1999; 99US-0157508P.

XX (INCY-) INCYTE GENOMICS INC.

XX Tang YT, Yue H, Lal P, Burford N, Bandman O, Baughn MR;

XX Azimzai Y, Lu DAM, Patterson C;

XX WPI; 2001-025021/03.

XX N-PSDB; AAC84303.

XX New human extracellular signaling nucleic acids and polypeptides useful

PT for diagnosing, treating and preventing infections and gastrointestinal,

PT neurological, reproductive, and autoimmune/inflammatory disorders.

XX Claim 1; Page 89; 114pp; English.

XX The invention provides human extracellular signaling molecules (EXCS) and

CC polynucleotides which identify and encode EXCS. EXCS can be expressed by

CC standard recombinant methodology. The amino acid and nucleic acid

CC sequences of EXCS are useful for diagnosing, treating and preventing

CC

infections and gastrointestinal (peptic ulcer, dysphagia, pancreatitis),  
neurological (e.g. epilepsy, ischemic cerebrovascular disease, stroke),  
reproductive (infertility, ovulatory defects, endometriosis), autoimmune  
/inflammatory (actinic keratosis, acquired immunodeficiency syndrome  
(AIDS), Addison's disease), and cell proliferative disorders including  
cancers (of the breast, adrenal gland, bone). They may also be used to  
treat fatal familial insomnia, nutritional and metabolic diseases of the  
nervous system, myopathies, mental disorders (anxiety, schizophrenia,  
mood), as well as infections caused by parasites (malaria, leishmania,  
trypanosoma), viral (adenovirus, coronavirus, flavivirus), bacterial  
(e.g. pneumococcus, staphylococcus, bacillus), and fungal (aspergillus,  
blastomycetes, dermatophytes) agents. The nucleic acids, polypeptides,  
antagonists, agonists, pharmaceutical compositions, and antibodies may  
also be used for treating or preventing disorders associated with  
increased or decreased expression or activity of EXCS. EXCS  
polynucleotides may also be used to detect and quantify gene expression  
in biopsied tissues in which expression of EXCS may be correlated with  
the disease, to determine presence or excess expression of EXCS, to  
monitor regulation of EXCS levels during therapeutic intervention, to  
detect the presence of associated disorders, as targets in microarray, to  
generate hybridization probes, and to detect differences in gene  
sequences among normal, carrier or affected individuals. Antibodies may  
also be used in diagnosing disorders, in monitoring patients being  
treated with EXCS agonists, antagonists or inhibitors. Sequences ABA48057  
-B48082 represent the EXCS of the invention

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 4; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPDGRVRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPDGRVRCSDMLKNINF 105

RESULT 10  
AAM50773  
ID AAM50773 standard; protein; 105 AA.  
AC AAM50773;  
XX  
DT 23-APR-2002 (first entry)  
DE Endocrine gland-derived vascular endothelial growth factor.  
KW Endocrine gland-derived vascular endothelial growth factor; EG-VEGF;  
human; cell proliferation; cell migration; fenestration;  
cell differentiation; angiogenesis; chemotaxis; endocrine; infertility;  
fertility; polycystic ovary syndrome; ovarian cyst; cancer; cytostatic;  
diagnosis; therapy.  
KW  
XX Homo sapiens.

Key Location/Qualifiers  
Peptide 1..19  
FT /label= Signal\_peptide  
FT Protein 20..105  
FT /label= Mature\_protein  
FT Modified-site 33  
FT /note= "N-myristoylated"  
FT Modified-site 35  
FT /note= "N-myristoylated"  
FT Modified-site 46  
FT /note= "N-myristoylated"  
XX  
FN WO2002007111-A2.

PD 03-JAN-2002.  
XX  
XX 22-JUN-2001; 2001WO-US020116.  
XX  
PR 23-JUN-2000; 2000US-0213637P.  
PR 07-SEP-2000; 2000US-0230978P.  
PR 01-DEC-2000; 2000WO-US032678.  
XX (GETH ) GENENTECH INC.  
XX Ferrara N, Watanabe C, Wood WI;  
XX WPI; 2002-130882/17.  
DR N-PSDB; ABA91567.  
XX  
PT New endocrine gland-vascular endothelial growth factor (EG-VEGF)  
PT polypeptides, agonists and antagonists, useful for regulating fertility,  
PT and for treating cancer of the reproductive organs, e.g. ovarian or  
PT prostate cancer.  
XX  
XX Claim 12; Fig 2; 133pp; English.

XX The present sequence is that of a novel, tissue-restricted, growth and  
XX differentiation factor termed endocrine gland-derived vascular  
XX endothelial growth factor (EG-VEGF). The sequence is predicted from the  
XX open reading frame of a cDNA clone (see ABA91567) obtained from an  
XX ovarian tissue library. EG-VEGF induces proliferation, migration and  
XX fenestrations in capillary endothelial cells derived from endocrine  
XX glands, but has no effect on a variety of other endothelial and non-  
XX endothelial cell types tested. The EG-VEGF precursor has a predicted  
XX mol.wt. of 11715 and a pI of 9.05. The mature protein (mol.wt. 8600) is  
XX cysteine-rich and is predicted to consist of a series of short beta  
XX strands with large connecting loops held together by disulfide bonds  
XX resulting in a flat fold with finger-like projections that act as  
XX interactive surfaces. 80% Homology and 63% identity is shown to venom  
XX protein A (VPR) of the black mamba snake, and 76% homology and 58%  
XX identity to human protein Bv8. EG-VEGF nucleic acids and polypeptides, as  
XX well as agonists and antagonists, can be used in the treatment of  
XX conditions associated with hormone-producing tissue, especially ovarian,  
XX testicular, cervical, adrenal, placental or prostate tissue. The  
XX condition may be polycystic ovary syndrome, cancer, especially ovarian  
XX cancer, testicular cancer, prostate cancer or uterine cancer, or ovarian  
XX cyst (all claimed). Fertility can be regulated using an EG-VEGF  
XX antagonist to inhibit follicle maturation or ovulation. Methods are  
XX claimed for identifying compounds that modulate EG-VEGF activity,  
XX especially the ability to induce phosphorylation of a kinase involved in  
XX cell proliferation or survival, to induce chemotaxis, angiogenesis, or  
XX cell differentiation, or to induce endothelial cell proliferation

SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 5; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPDGRVRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPDGRVRCSDMLKNINF 105

RESULT 11  
AAU83674  
ID AAU83674 standard; protein; 105 AA.  
XX  
AC AAU83674;  
XX  
DT 08-MAY-2002 (first entry)  
XX  
DE Human PRO protein, Seq ID No 166.

XX Human; secreted protein; PRO; tumour; lung cancer; colon cancer;  
KW breast cancer; prostate tumour; rectal tumour; liver tumour;  
KW pericyte cell proliferation; chondrocyte cell proliferation;  
KW tumour necrosis factor-alpha.  
XX Homo sapiens.  
XX WO200208288-A2.  
XX 31-JAN-2002.  
XX 29-JUN-2001; 2001WO-US021066.  
XX 20-JUL-2000; 2000US-0219556P.  
PR 25-JUL-2000; 2000US-0220585P.  
PR 25-JUL-2000; 2000US-0220605P.  
PR 25-JUL-2000; 2000US-0220607P.  
PR 25-JUL-2000; 2000US-0220624P.  
PR 25-JUL-2000; 2000US-0220638P.  
PR 25-JUL-2000; 2000US-0220664P.  
PR 25-JUL-2000; 2000US-0220666P.  
PR 26-JUL-2000; 2000US-0220893P.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 01-AUG-2000; 2000US-0222425P.  
PR 22-AUG-2000; 2000US-0227133P.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 28-NOV-2000; 2000US-0253646P.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006666.  
PR 22-MAR-2001; 2001US-00816744.  
PR 10-MAY-2001; 2001US-00854208.  
PR 25-MAY-2001; 2001WO-US017092.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,  
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
XX WPI; 2002-172001/22.  
DR N-PSDB; ABK33618.  
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,  
PT useful for treating a PRO related disorder and for diagnosing tumors such  
PT as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor  
PT or liver tumor.  
XX Claim 11; Fig 166; 359pp; English.  
XX The invention relates to one hundred and twenty two nucleic acids  
CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides  
CC encode human secreted proteins. The PRO nucleic acids, polypeptides,  
CC agonists and antagonists are useful for treating a PRO related disorder.  
CC The PRO polypeptides are useful for diagnosing tumors, especially lung  
CC cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or  
CC liver tumor. The PRO polypeptides are useful for stimulating the  
CC proliferation of, or gene expression, in pericyte cells, for stimulating  
CC the proliferation or differentiation of chondrocyte cells, for  
CC stimulating the release of tumor necrosis factor-alpha from human blood,  
CC for stimulating or inhibiting the proliferation of normal human dermal  
CC fibroblast cells. The PRO polypeptide may also be used as molecular  
CC weight markers and for tissue typing. The PRO nucleic acids have  
CC applications in molecular biology, including use as hybridisation probes,  
CC and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO  
CC protein sequences of the invention  
XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 5; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MFGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
DB 1 MFGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
QY 61 HPGSHKVPPFRKRKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPPFRKRKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
RESULT 12  
ABB84902  
ID ABB84902 standard; protein; 105 AA.  
XX AC ABB84902;  
XX DT 16-MAY-2002 (first entry)  
XX DE Human PRO1186 protein sequence SEQ ID NO:172.  
XX KW Human; angiogenesis; cardiast; cytostatic; angiogenic; hypotensive;  
KW vulnary; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;  
KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;  
KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;  
KW age-related macular degeneration; arterial restenosis; angina;  
KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;  
KW lymphatoid; tumour angiogenesis; breast carcinoma; liver carcinoma;  
KW wound healing; chromosome mapping; gene mapping.  
XX OS Homo sapiens.  
XX FN WO200200690-A2.  
XX PD 03-JAN-2002.  
XX PF 20-JUN-2001; 2001WO-US019692.  
XX PR 23-JUN-2000; 2000US-0213637P.  
PR 20-JUL-2000; 2000US-0219556P.  
PR 25-JUL-2000; 2000US-0220624P.  
PR 25-JUL-2000; 2000US-0220664P.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 02-AUG-2000; 2000US-0222695P.  
PR 17-AUG-2000; 2000US-00643657.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 07-SEP-2000; 2000US-023078P.  
PR 18-SEP-2000; 2000US-00666410.  
PR 18-SEP-2000; 2000US-00666350.  
PR 24-OCT-2000; 2000US-0242922P.  
PR 08-NOV-2000; 2000US-00709238.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 22-JAN-2001; 2001US-00767609.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006666.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.

PA (TAKE ) TAKEDA CHEM IND LTD.  
XX Yamada T, Suenaga M, Nishimura O;  
PI WPI; 2002-566801/60.  
XX Industrial production of physiologically-active ZAQ ligand by expressing  
PT in transformant prokaryote and refolding in redox buffer, for use in  
PT preventing or treating digestive diseases e.g. colitis and diarrhea.  
PS Example 3; Page 76-77; 93pp; Japanese.  
XX The invention comprises a method for producing an active peptide that has  
CC the same activity as a ZAQ ligand isolated from eukaryotic cells. The  
CC method of the invention is useful for the production of a physiologically  
CC active ZAQ ligand for use in preventing or treating digestive diseases  
CC (e.g. colitis and diarrhea). The present amino acid sequence represents a  
CC human physiologically active ZAQ ligand-related protein  
XX SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 5; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRLMCTPLGRGEGEC 60  
DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRLMCTPLGRGEGEC 60  
QY 61 HPGSHKVPFFRKXKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105  
RESULT 14  
AB06308  
ID ABB06308 standard; protein; 105 AA.  
XX AC ABB06308;  
XX DT 27-MAY-2002 (first entry)  
DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:23.  
XX KW G protein-coupled receptor; ZAQ ligand; physiologically active peptide;  
KW ZAQ; antidiarrheic; laxative; drug development; digestive disease;  
KW colitis; diarrhoea; constipation; poor-absorption syndrome; gene therapy.  
XX OS Homo sapiens.  
XX PN WO200206483-A1.  
XX PD 24-JAN-2002.  
XX PF 17-JUL-2001; 2001WO-JP006162.  
XX PR 18-JUL-2000; 2000JP-00217442.  
XX PR 02-FEB-2001; 2001JP-00026779.  
XX PA (TAKE ) TAKEDA CHEM IND LTD.  
XX Ohtaki T, Masuda Y, Takatsu Y, Watanabe T, Terao Y, Shintani Y;  
PI Hinuma S;  
XX WPI; 2002-188546/24.  
XX DR N-PSDB; ABL49637.  
XX PT Physiologically-active peptides from cows milk, useful for developing  
PT drugs to treat ZAQ-mediated diseases, particularly digestive diseases  
PT like colitis, diarrhea, constipation and poor-absorption syndrome, by  
PT gene therapy.  
XX PS Claim 5; Page 61; 191pp; Japanese.

PA (TAKE ) TAKEDA CHEM IND LTD.  
XX Yamada T, Suenaga M, Nishimura O;  
PI WPI; 2002-566801/60.  
XX Industrial production of physiologically-active ZAQ ligand by expressing  
PT in transformant prokaryote and refolding in redox buffer, for use in  
PT preventing or treating digestive diseases e.g. colitis and diarrhea.  
PS Example 3; Page 76-77; 93pp; Japanese.  
XX The invention comprises a method for producing an active peptide that has  
CC the same activity as a ZAQ ligand isolated from eukaryotic cells. The  
CC method of the invention is useful for the production of a physiologically  
CC active ZAQ ligand for use in preventing or treating digestive diseases  
CC (e.g. colitis and diarrhea). The present amino acid sequence represents a  
CC human physiologically active ZAQ ligand-related protein  
XX SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 5; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRLMCTPLGRGEGEC 60  
DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRLMCTPLGRGEGEC 60  
QY 61 HPGSHKVPFFRKXKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105  
RESULT 13  
AA015527  
ID AA015527 standard; protein; 105 AA.  
XX AC AA015527;  
XX DT 24-OCT-2002 (first entry)  
DE Human physiologically-active ZAQ ligand-related protein 3.  
XX KW Human; ZAQ ligand; physiologically-active ZAQ ligand; digestive disease;  
KW colitis; diarrhoea.  
XX OS Homo sapiens.  
XX PN WO200257443-A1.  
XX PD 25-JUL-2002.  
XX PF 21-JAN-2002; 2002WO-JP000378.  
XX PR 22-JAN-2001; 2001JP-00013027.  
XX PR 17-MAY-2001; 2001JP-00147759.

XX The present invention describes a peptide containing an amino acid  
 CC sequence (I) identical to or substantially similar to that of the  
 CC sequences in ABB06305 or ABB06306, or its salt. (I) has antidiarrheic and  
 CC laxative activities. The peptides and encoding DNAs from the present  
 CC invention are useful for developing drugs to treat digestive diseases  
 CC like colitis, diarrhoea, constipation and poor-absorption syndrome,  
 CC including gene therapy. The physiologically-active cows milk-originated  
 CC peptides are applicable as a specific ligand of brain-originated orphan G  
 CC to ABB06315 represent sequences used in the exemplification of the  
 CC present invention  
 XX  
 XX Sequence 105 AA;  
 SQ

Query Match 100.0%; Score 589; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 15  
 AAE24382  
 ID AAE24382 standard; protein; 105 AA.  
 XX  
 AC AAE24382;  
 XX  
 DT 04-OCT-2002 (first entry)  
 DE Human prokineticin 1 precursor protein.  
 XX  
 KW Human; prokineticin 1; gastrointestinal motility; intestinal cancer;  
 KW irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;  
 KW diabetic gastroparesis; chronic constipation; malabsorptive disorder;  
 KW inflammatory bowel disorder; analgesic; infectious disease.  
 XX  
 OS Homo sapiens.  
 XX  
 FH Key Location/Qualifiers  
 FT Peptide 1..19  
 FT Protein /label= Signal\_peptide  
 FT 20..105  
 FT /note= "Mature human prokineticin 1"

WO200236625-A2.  
 10-MAY-2002.  
 01-NOV-2001; 2001WO-US047969.  
 03-NOV-2000; 2000US-0245882P.  
 (REGC ) UNIV CALIFORNIA.  
 Zhou Q, Ehler FJ;  
 WPI; 2002-479752/51.  
 DR N-PSDB; AAD39321.  
 XX  
 PT New isolated human prokineticin 1 and 2 polypeptides that stimulate  
 PT gastrointestinal smooth muscle contraction, useful for improving impaired  
 PT gastrointestinal motility in irritable bowel syndrome, chronic  
 PT constipation.  
 XX  
 PS Example 1; Fig 1; 86pp; English.

CC The invention relates to human prokineticin 1 and 2 polypeptides that  
 CC stimulate gastrointestinal smooth muscle contraction and nucleic acid  
 CC molecules encoding such polypeptides. Polypeptides of the invention are  
 CC useful for treating disorders involving impaired gastrointestinal  
 CC motility. They are useful for stimulating gastrointestinal motility in  
 CC disorders such as irritable bowel syndrome, diabetic gastroparesis, post-  
 CC operational ileus, chronic constipation and gastrointestinal reflux  
 CC disease. The prokineticin antagonists are useful for inhibiting  
 CC gastrointestinal motility in conditions of diarrhoea, malabsorptive  
 CC disorders, inflammatory bowel disorders, infectious diseases and  
 CC intestinal cancers. The antagonists also act as analgesics. The present  
 CC sequence is human prokineticin 1 precursor protein  
 XX  
 XX Sequence 105 AA;  
 SQ

Query Match 100.0%; Score 589; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 16  
 ABB95508  
 ID ABB95508 standard; protein; 105 AA.  
 XX  
 AC ABB95508;  
 XX  
 DT 19-JUL-2002 (first entry)  
 DE Human angiogenesis related protein PRO1186 SEQ ID NO: 172.  
 XX  
 KW Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;  
 KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;  
 KW cardiant; cytostatic; antiangiogenic; hypotensive; vulnary;  
 KW antiarteriosclerotic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200208284-A2.  
 XX  
 PD 31-JAN-2002.  
 XX  
 PF 09-JUL-2001; 2001WO-US021735.  
 XX  
 PR 20-JUL-2000; 2000US-0219556P.  
 PR 25-JUL-2000; 2000US-0220624P.  
 PR 25-JUL-2000; 2000US-0220664P.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 02-AUG-2000; 2000US-0222695P.  
 PR 17-AUG-2000; 2000US-00643657.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 07-SEP-2000; 2000US-0230978P.  
 PR 18-SEP-2000; 2000US-00664610.  
 PR 18-SEP-2000; 2000US-00665350.  
 PR 24-OCT-2000; 2000US-0242922P.  
 PR 08-NOV-2000; 2000US-00709238.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000US-00747259.  
 PR 20-DEC-2000; 2000WO-US034956.  
 PR 22-JAN-2001; 2001US-00767609.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006686.



PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00808689.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854208.  
 PR 10-MAY-2001; 2001US-00854280.  
 PR 25-MAY-2001; 2001US-00866028.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 30-MAY-2001; 2001US-00870574.  
 PR 30-MAY-2001; 2001US-00870574.  
 PR 01-JUN-2001; 2001US-00870574.  
 PR 20-JUN-2001; 2001US-00870574.  
 PR 20-JUN-2001; 2001US-00870574.

(GETH) GENENTECH INC.

PA (BAKE) BAKER K P.  
 PA (FERR) FERRARA N.  
 PA (GERB) GERBER H.  
 PA (GERR) GERRITSEN M E.  
 PA (GODO) GODDARD A.  
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 PA (GURN) GURNEY A L.  
 PA (HILL) HILLAN K J.  
 PA (MARS) MARSTERS S A.  
 PA (PANJ) PAN J.  
 PA (PACN) PACNI N F.  
 PA (STEP) STEPHAN J F.  
 PA (WATA) WATANABE C K.  
 PA (WILL) WILLIAMS P M.  
 PA (WOOD) WOOD W I.

XX Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A; Paoni NF;  
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;  
 PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;  
 XX WPI; 2002-171999/22.  
 DR N-PSDB; ABL95646.

XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,  
 PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial  
 PT infarction), endothelial or angiogenic disorders in a mammal.

XX Claim 11; Fig 172; 567pp; English.

XX The present invention provides the protein and coding sequences of human  
 CC PRO proteins. These are useful for treating or diagnosing a  
 CC cardiovascular, endothelial or angiogenic disorder, including cardiac  
 CC hypertrophy, trauma, cancer, age-related macular degeneration,  
 CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,  
 CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour  
 CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound  
 CC healing. The present sequence is a PRO protein of the invention

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSCAVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGREGEC 60  
 DB 1 MRGATRVSIMLLVTVSCAVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGREGEC 60

QY 61 HPGSHKVPFFRRKRKHTTCPLNLLCSRFPDGRYRCSMDLNKINF 105

DB 61 HPGSHKVPFFRRKRKHTTCPLNLLCSRFPDGRYRCSMDLNKINF 105

RESULT 17

ID ABU58083

XX ABU58083 standard; protein; 105 AA.

XX AC ABU58083;

XX 14-APR-2003 (first entry)  
 XX Human PRO polypeptide #115.  
 XX Human; PRO; cytostatic; tumour; cancer; breast; lung; stomach; liver;  
 KW horse; cow; dog; cat; sheep; pig; goat; rabbit; ADEPr;  
 KW antibody-dependent enzyme mediated prodrug therapy.  
 XX Homo sapiens.  
 OS US2003027163-A1.  
 PN 06-FEB-2003.  
 PD 15-NOV-2001; 2001US-00997666.  
 XX 16-JUN-1997; 97US-0049787P.  
 XX 17-OCT-1997; 97US-0062250P.  
 XX 05-NOV-1997; 97WO-US020089.  
 XX 12-NOV-1997; 97US-0065186P.  
 XX 13-NOV-1997; 97US-0065311P.  
 XX 24-NOV-1997; 97US-0066770P.  
 XX 25-FEB-1998; 98US-0075945P.  
 XX 20-MAR-1998; 98US-0078910P.  
 XX 28-APR-1998; 98US-0083222P.  
 XX 07-MAY-1998; 98US-0084600P.  
 XX 28-MAY-1998; 98US-0087108P.  
 XX 02-JUN-1998; 98US-0087607P.  
 XX 02-JUN-1998; 98US-0087609P.  
 XX 02-JUN-1998; 98US-0087759P.  
 XX 03-JUN-1998; 98US-0087827P.  
 XX 04-JUN-1998; 98US-0088021P.  
 XX 04-JUN-1998; 98US-0088025P.  
 XX 04-JUN-1998; 98US-0088026P.  
 XX 04-JUN-1998; 98US-0088028P.  
 XX 04-JUN-1998; 98US-0088029P.  
 XX 04-JUN-1998; 98US-0088030P.  
 XX 04-JUN-1998; 98US-0088033P.  
 XX 04-JUN-1998; 98US-0088325P.  
 XX 05-JUN-1998; 98US-0088167P.  
 XX 05-JUN-1998; 98US-0088202P.  
 XX 05-JUN-1998; 98US-0088212P.  
 XX 05-JUN-1998; 98US-0088217P.  
 XX 09-JUN-1998; 98US-0088655P.  
 XX 10-JUN-1998; 98US-0088734P.  
 XX 10-JUN-1998; 98US-0088738P.  
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 XX 11-JUN-1998; 98US-0088861P.  
 XX 11-JUN-1998; 98US-0088876P.  
 XX 12-JUN-1998; 98US-0089105P.  
 XX 16-JUN-1998; 98US-0089440P.  
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 XX 16-JUN-1998; 98US-0089514P.  
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 XX 17-JUN-1998; 98US-0089538P.  
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 XX 22-JUN-1998; 98US-0090246P.  
 XX 22-JUN-1998; 98US-0090252P.  
 XX 22-JUN-1998; 98US-0090254P.

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PR 23-JUN-1998; 98US-0090349P.
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PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090433P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090533P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090542P.
PR 25-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
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PR 01-JUL-1998; 98US-0091360P.
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PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 10-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
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PR 10-AUG-1998; 98US-0095929P.
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PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
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PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.

PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 98US-0144758P.
PR 26-JUL-1999; 98US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000WO-US0230978P.

Query Match 100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLGREGEEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLGREGEEC 60
Qy 61 HPGSHKVPFFFRKRKHHTCPCLPPLLCSRFPPDGRYRCSDMLKKNINF 105
Db 61 HPGSHKVPFFFRKRKHHTCPCLPPLLCSRFPPDGRYRCSDMLKKNINF 105

RESULT 18
ABU59161
ID ABU59161 standard; protein; 105 AA.
XX
AC ABU59161;
XX
DT 28-APR-2003 (first entry)
XX
```

DE Novel human secreted or transmembrane protein PRO1186.  
XX Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;  
KW cardiac insufficiency disorder; cancer; tumour; immune response;  
KW adrenal cortical capillary endothelial growth; c-fos induction;  
KW vascular endothelial growth factor inhibition; VEGF inhibition;  
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;  
KW retinal neurons cell survival; rod photoreceptor cell survival;  
KW retinal disorder; retinitis pigmentosa; kidney disease;  
KW mammalian kidney mesangial cell proliferation; Berger disease;  
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;  
KW chondrocyte redifferentiation; sports injury; arthritis.  
XX Homo sapiens.  
XX US2002132252-A1.  
XX 19-SEP-2002.  
XX 14-NOV-2001; 2001US-00990442.  
PR 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US020069.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 28-MAY-1998; 98US-0087106P.  
PR 02-JUN-1998; 98US-0087607P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 03-JUN-1998; 98US-0087759P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088025P.  
PR 04-JUN-1998; 98US-0088036P.  
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PR 04-JUN-1998; 98US-0088033P.  
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PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088742P.  
PR 10-JUN-1998; 98US-0088810P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 10-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088858P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 11-JUN-1998; 98US-0088876P.  
PR 12-JUN-1998; 98US-0089105P.  
PR 16-JUN-1998; 98US-0089440P.  
PR 16-JUN-1998; 98US-0089512P.  
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PR 17-JUN-1998; 98US-0089538P.  
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PR 18-JUN-1998; 98US-0089801P.  
PR 18-JUN-1998; 98US-0089907P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.

PR 07-OCT-1998; 98WO-US021141.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 02-JUN-1999; 99WO-US012252.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 30-NOV-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 06-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 15-MAY-2000; 2000WO-US013358.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 28-AUG-2001; 2001US-00941992.  
XX (GETH ) GENENTECH INC.  
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
PI Ferrara N, Fong S, Gerber H, Grittisen ME, Goddard A, Godowski PJ;  
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;  
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
PI Zhang Z;  
XX WPI; 2003-247083/24.  
DR N-PSDB; ABX80360.  
XX Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346  
PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes  
PT are therapeutically useful for enhancing immune response and in cancer  
PT treatments.  
XX Claim 12; Fig 266; 648pp; English.

XX The invention describes an isolated human PRO polypeptide. The PRO  
CC polypeptides are useful in detecting PRO polypeptides in a sample, in  
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and  
CC in modulating at least one biological activity of a cell expressing a PRO  
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus  
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186  
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,  
CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,  
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus  
CC useful for treating conditions or disorders where angiogenesis would be  
CC beneficial, e.g. wound healing and antagonist of this polypeptide are  
CC useful for treating cancerous tumours. PRO812 inhibits vascular  
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial

CC cells and is thus useful for inhibiting endothelial cell growth in  
CC mammals which would be beneficial in inhibiting tumour growth. PRO826,  
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of  
CC stimulated T-lymphocytes and are therapeutically useful for enhancing  
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of  
CC retinal neurons cells [PRO1132 is also enhances survival/proliferation of  
CC rod photoreceptor cells] and therefore are useful for treating retinal  
CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813  
CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,  
CC and therefore are useful for treating kidney disorders associated with  
CC decreased mesangial cell function such as Berger disease or other  
CC nephropathies associated with dermatitis, herpeticiformis or Crohn's  
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the  
CC proliferation and/or redifferentiation of chondrocytes in culture and are  
CC thus useful for treating sports injuries, and arthritis. This is the  
CC amino acid sequence of a novel human PRO protein  
XX  
SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCATSLMLRGLRMCTPLGREGEEC 60  
DB 1 MEGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCATSLMLRGLRMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRRKRKHTCTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKRKHTCTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 19  
ID ABUS2673  
AC ABUS2673;  
DI 26-JUN-2003 (first entry)  
DE Human secreted/transmembrane protein PRO1186.  
KW Human; PRO; secreted protein; transmembrane protein;  
KW cardiac insufficiency disorders; angiogenesis; wound healing;  
KW cancerous tumour; immune response; retinal disorder; sight loss;  
KW retinitis pigmentosa; age-related macular degeneration; AMD;  
KW kidney disorder; Berger disease; nephropathy; dermatitis; herpeticiformis;  
KW Crohn's disease; sports injury; arthritis.  
OS Homo sapiens.  
PN US2003032023-A1.  
XX 13-FEB-2003.  
PF 14-NOV-2001; 2001US-00990711.  
PR 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US02006P.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 28-MAY-1998; 98US-0087108P.  
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PR 03-JUN-1998; 98US-0087827P.  
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PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088029P.  
PR 04-JUN-1998; 98US-0088030P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088038P.  
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PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088555P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088742P.  
PR 10-JUN-1998; 98US-0088810P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 11-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088858P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 11-JUN-1998; 98US-0088878P.  
PR 12-JUN-1998; 98US-0089105P.  
PR 16-JUN-1998; 98US-0089440P.  
PR 16-JUN-1998; 98US-0089512P.  
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PR 17-JUN-1998; 98US-0089532P.  
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PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089801P.  
PR 18-JUN-1998; 98US-0089907P.  
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PR 26-JUN-1998; 98US-0090863P.  
PR 01-JUL-1998; 98US-0091360P.  
PR 01-JUL-1998; 98US-0091544P.  
PR 02-JUL-1998; 98US-0091478P.  
PR 02-JUL-1998; 98US-0091519P.  
PR 02-JUL-1998; 98US-0091626P.  
PR 02-JUL-1998; 98US-0091628P.  
PR 02-JUL-1998; 98US-0091633P.  
PR 02-JUL-1998; 98US-0091646P.  
PR 02-JUL-1998; 98US-0091673P.  
PR 07-JUL-1998; 98US-0091978P.  
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PR 09-JUL-1998; 98US-0092182P.  
PR 10-JUL-1998; 98US-0092472P.



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 PR 08-MAR-1999; 99WO-US005028.  
 PR 10-MAR-1999; 99WO-US005190.  
 PR 20-APR-1999; 99WO-US008615.  
 PR 14-MAY-1999; 99WO-US010713.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 08-SEP-1999; 99WO-US020594.  
 PR 13-SEP-1999; 99WO-US020944.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 05-OCT-1999; 99WO-US023089.  
 PR 29-NOV-1999; 99WO-US028214.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 30-NOV-1999; 99WO-US028409.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
 PR 02-DEC-1999; 99WO-US028565.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 20-DEC-1999; 99WO-US030999.  
 PR 22-DEC-1999; 99WO-US030720.  
 PR 30-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US000365.  
 PR 18-FEB-2000; 2000WO-US000431.  
 PR 18-FEB-2000; 2000WO-US000432.  
 PR 22-FEB-2000; 2000WO-US000441.  
 PR 24-FEB-2000; 2000WO-US000494.  
 PR 24-FEB-2000; 2000WO-US005004.  
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 PR 02-MAR-2000; 2000WO-US013705.  
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 PR 10-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006894.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000US-00747259.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00808659.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854208.  
 PR 10-MAY-2001; 2001US-00854280.  
 PR 18-MAY-2001; 2001US-00860216.  
 PR 25-MAY-2001; 2001US-00866028.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001WO-US017032.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 05-JUN-2001; 2001US-00874503.  
 PR 14-JUN-2001; 2001US-00882636.

PR 19-JUN-2001; 2001US-00886342.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 21-JUN-2001; 2001US-00887879.  
 PR 22-JUN-2001; 2001WO-US020116.  
 PR 29-JUN-2001; 2001WO-US021066.  
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 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI: 2003-341980/32.  
 DR N-PSDB; ACD24087.  
 DR  
 XX New secreted and transmembrane PRO nucleic acids, for treating  
 PT inflammation, organ failure, atherosclerosis, cardiac injury,  
 PT infertility, birth defects, premature aging, acquired immunodeficiency  
 PT syndrome (AIDS), or cancer.  
 XX  
 PS Claim 12; Fig 470; 660pp; English.

CC The invention describes an isolated nucleic acid (I) comprising, or which  
 CC has 80 % sequence identity to, or the full-length coding sequence of, one  
 CC of 275 nucleotide sequences, and which encodes a corresponding  
 CC polypeptide selected from 275 amino acid sequences, where all sequences  
 CC are given in the specification. The polypeptide encoded by (I) is used to  
 CC detect PRO polypeptides, link a bioactive molecule to a cell expressing a  
 CC PRO polypeptide, modulate a biological activity of a cell, stimulate the  
 CC release of tumor necrosis factor (TNF)-alpha from human blood, modulate the  
 CC the uptake of glucose or free fatty acid by cells, stimulate or inhibit  
 CC the proliferation or differentiation of cells or gene expression,  
 CC stimulate the release of proteoglycans, stimulate the release of cytokine  
 CC from peripheral blood mononuclear cells, inhibit the binding of A-peptide  
 CC to factor VIIa, or detect the presence of tumour in a mammal. The nucleic  
 CC acid and polypeptide encoded by it, are useful for treating inflammatory  
 CC diseases, organ failure, atherosclerosis, cardiac injury, infertility,  
 CC birth defects, premature aging, acquired immunodeficiency syndrome  
 CC (AIDS), cancer, or diabetic complications. The nucleic acid is useful as  
 CC hybridisation probes, in chromosome and gene mapping, and in generating  
 CC antisense RNA or DNA. The polypeptides are useful as pharmaceuticals,  
 CC diagnostics, biosensors or bioreactors. Both are useful in tissue typing.  
 CC This is the amino acid sequence of a novel human secreted and  
 CC transmembrane PRO polypeptide  
 XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred.No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
 |||  
 Db 1 MEGATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
 |||

QY 61 HPGSHKVPFFRKHHHTCPCLNLLCSFPDGRVRCSDMLKNINF 105  
 |||  
 Db 61 HPGSHKVPFFRKHHHTCPCLNLLCSFPDGRVRCSDMLKNINF 105  
 |||

RESULT 21  
 ABU60592  
 ID ABU60592 standard; protein; 105 AA.  
 XX  
 AC ABU60592;  
 XX  
 DT 01-MAY-2003 (first entry)

XX DE Human secreted/transmembrane protein, #151.  
XX KW Human; PRO: secreted; transmembrane; signal peptide; pharmaceutical;  
XX KW diagnostic; therapeutic; gene therapy.  
XX OS Homo sapiens.  
XX PN US2002160384-A1.  
XX PD 31-OCT-2002.  
XX PF 14-NOV-2001; 2001US-00992598.  
XX PR 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US020069.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 28-MAY-1998; 98US-0087106P.  
PR 02-JUN-1998; 98US-0087607P.  
PR 02-JUN-1998; 98US-0087603P.  
PR 02-JUN-1998; 98US-0087755P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088025P.  
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PR 04-JUN-1998; 98US-0088030P.  
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PR 04-JUN-1998; 98US-00880326P.  
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PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.  
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PR 10-JUN-1998; 98US-0088810P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 10-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088858P.  
PR 11-JUN-1998; 98US-0088861P.  
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PR 16-JUN-1998; 98US-0089440P.  
PR 16-JUN-1998; 98US-0089512P.  
PR 16-JUN-1998; 98US-0089514P.  
PR 17-JUN-1998; 98US-0089534P.  
PR 17-JUN-1998; 98US-0089538P.  
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PR 17-JUN-1998; 98US-0089599P.  
PR 17-JUN-1998; 98US-0089600P.  
PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089801P.  
PR 18-JUN-1998; 98US-0089907P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 02-JUN-1999; 99WO-US012252.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.

PR 30-NOV-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 20-MAR-2000; 2000WO-US008439.  
PR 15-MAY-2000; 2000WO-US013358.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US020311.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 28-AUG-2001; 2001US-00941992.

(GETH ) GENENTECH INC.

PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
XX Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi JC, Gurney AL, Kijavini IJ, Napier MA, Fan J, Pacini NF;  
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
PI Zhang Z;

XX WPI; 2003-288106/28.

DR N-PSDB; ABX90338.

XX New transmembrane polypeptides and nucleic acids encoding the  
PT polypeptides, useful in gene therapy, in chromosome identification, as  
PT chromosome markers, or in generating probes.

XX Claim 12; Fig 266; 650pp; English.

XX The invention discloses isolated PRO secreted/transmembrane polypeptides  
CC comprising a sequence without signal peptide and the nucleic acid  
CC encoding them. The polypeptides can be used to raise antibodies that  
CC specifically bind to the PRO polypeptide, for linking a bioactive  
CC molecule to a cell expressing a PRO protein and for modulating at least  
CC one biological activity of a cell. The PRO polypeptides or  
CC polynucleotides are also useful in gene therapy, in chromosome  
CC identification, as chromosome markers, or in generating probes. The PRO  
CC polypeptides are useful as molecular markers for protein electrophoresis,  
CC and the isolated nucleic acids may be used for recombinantly expressing  
CC those markers. The PRO polypeptides and nucleic acids may also be used in  
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for  
CC PRO, and in affinity purification of PRO from recombinant cell culture or  
CC natural sources. The sequences presented in ABU60478-ABU60624 are the PRO  
CC polynucleotides of the invention. Note: The sequence data for this patent  
CC is also available in electronic format from USPTO at  
CC seqdata.uspto.gov/sequence.html

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSMILLVTVSDCAVITGACERDVCGAGTCCATSLWLRLGRLMCTPLGREGECC 60  
DB 1 MEGATRVSMILLVTVSDCAVITGACERDVCGAGTCCATSLWLRLGRLMCTPLGREGECC 60

QY 61 HPGSHKVPFRKRKHHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFRKRKHHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105

RESULT 22  
ABU0821  
ID ABU0821 standard; protein; 105 AA.  
XX  
AC ABU0821;  
XX  
DT 23-JUN-2003 (first entry)  
XX  
DE Human PRO polypeptide #83.  
XX  
KW Human; PRO polypeptide; secreted and transmembrane protein;  
KW anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.  
XX  
OS Homo sapiens.  
XX  
PN US2003036635-A1.  
XX  
PD 20-FEB-2003.  
XX  
PF 28-AUG-2002; 2002US-00230163.  
XX  
PR 25-JUL-2000; 2000US-0220638P.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-APR-2002; 2002US-00119480.  
XX  
PA (GETH ) GENENTECH INC.  
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
XX  
DR WPI: 2003-342045/32.  
DR N-PSDB; ACA66923.  
XX  
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,  
PT useful for the manufacture of a medicament for diagnosing or treating  
PT tumor.  
XX  
PS Claim 11; Fig 166; 314pp; English.  
XX  
CC The present invention relates to the isolation of novel human PRO  
CC polypeptides, and the polynucleotide sequences encoding them. The PRO  
CC polypeptides are secreted and transmembrane proteins. The PRO  
CC polypeptides and polynucleotides are useful for preparing a medicament  
CC useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are  
CC useful in diagnostic assays for PRO, by detecting its expression in  
CC specific cells, tissues or serum, and for affinity purification of PRO  
CC from recombinant cell culture or natural sources. ABU0739-ABU0860  
CC represent the human PRO polypeptides of the invention. Note: The sequence  
CC data for this patent was obtained in electronic format directly from the  
CC USPTO web site at [seqdata.uspto.gov/psipsd/entry.html](http://seqdata.uspto.gov/psipsd/entry.html).  
XX  
SQ Sequence 105 AA;  
XX  
Query Match  
Best Local Similarity 100.0%; Score 589; DB 6; Length 105;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSMILLVTVSDCAVITGACERDVCGAGTCCATSLWLRLGRLMCTPLGREGECC 60  
DB 1 MEGATRVSMILLVTVSDCAVITGACERDVCGAGTCCATSLWLRLGRLMCTPLGREGECC 60

QY 61 HPGSHKVPFRKRKHHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFRKRKHHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105

RESULT 23  
ABO33787  
ID ABO33787 standard; protein; 105 AA.  
XX  
AC ABO33787;  
XX  
DT 17-SEP-2003 (first entry)  
XX  
DE Novel human secreted and transmembrane protein PRO1186.  
XX  
KW Human; secreted and transmembrane protein; PRO; cytostatic;  
KW antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;  
KW chondrocyte stimulator; pericyte stimulator; fibroblast modulator;  
KW pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;  
KW colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW liver tumour; bone disorder; cartilage disorder; sports injury;  
KW arthritis; wound.  
XX  
OS Homo sapiens.  
XX  
PN US2003045687-A1.  
XX  
PD 06-MAR-2003.  
XX  
PF 12-AUG-2002; 2002US-00218631.  
XX  
PR 01-JUN-2001; 2001WO-US017800.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-APR-2002; 2002US-00119480.  
XX  
PA (GETH ) GENENTECH INC.  
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
XX  
DR WPI: 2003-512315/48.  
DR N-PSDB; ACD68675.  
XX  
PT New genes, and its encoded secreted and transmembrane polypeptides,  
PT useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or  
PT pericyte proliferation, especially for treating lung tumors, arthritis or  
PT wounds in a mammal.  
XX  
PS Claim 11; Fig 166; 314pp; English.  
XX  
CC The invention describes an isolated nucleic acid molecule comprising a  
CC sequence with at least 80% identity to: (a) a nucleotide encoding any of  
CC 122 PRO (secreted and transmembrane) polypeptides whose sequences are  
CC fully defined in the specification; or (b) any of 122 nucleotide  
CC sequences having e.g. 4834, 2504 or 1759 bp fully defined in the  
CC specification; or the full length coding sequence of any these 122  
CC nucleotide sequences. The PRO polypeptides or polynucleotides are useful  
CC as pharmaceuticals, diagnostics, biosensors or bioreactors. These are  
CC particularly useful for detecting tumours (e.g. lung tumour, colon  
CC tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)  
CC in a mammal, for stimulating the release of TNF-alpha from human blood,  
CC for stimulating the proliferation or differentiation of chondrocyte  
CC cells, for stimulating proliferation of pericyte cells, or for modulating  
CC normal human dermal fibroblast proliferation. The PRO nucleic acid or  
CC polypeptide is also useful for treating tumours or various bone and/or  
CC cartilage disorders (e.g. sports injuries or arthritis), or wounds. The  
CC PRO polypeptides are useful in drug screening, particularly as targets  
CC for therapeutic intervention in these diseases, and in the diagnostic  
CC determination of the presence of these diseases. The PRO polypeptides are  
CC also useful as molecular weight markers, or for chromosome  
CC identification. The PRO genes are useful as hybridisation probes, or for  
CC screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may



CC also be used in gene therapy, particularly for replacing a defective  
 CC gene. This is the amino acid sequence of a novel human secreted and  
 CC transmembrane PRO polypeptide

SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVIMLLVTVSCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
 Dd |||||||  
 QY 61 HPGSHKVPFFRKRKHHTCPCLPNLCSRFPDGRYRCSMDLKNINF 105  
 Dd |||||||

# RESULT 24

ABU13974  
 ID ABU13974 standard; protein; 105 AA.

XX AC ABU13974;

XX DT 26-FEB-2003 (first entry)

XX DE Human PRO186 polypeptide.

XX KW Human; PRO polypeptide; secreted protein; transmembrane protein;  
 XX genetic disorder; antibacterial; immunosuppressive.

XX OS Homo sapiens.

XX PN US2002103125-A1.

XX PD 01-AUG-2002.

XX PF 20-NOV-2001; 2001US-00989711.

XX PR 16-JUN-1997; 97US-0049787P.

PR 17-OCT-1997; 97US-0062250P.

PR 05-NOV-1997; 97WO-US020069.

PR 12-NOV-1997; 97US-0065186P.

PR 13-NOV-1997; 97US-0065311P.

PR 24-NOV-1997; 97US-0068770P.

PR 25-FEB-1998; 98US-0075943P.

PR 20-MAR-1998; 98US-0078910P.

PR 28-APR-1998; 98US-0083322P.

PR 07-MAY-1998; 98US-0084600P.

PR 28-MAY-1998; 98US-0087106P.

PR 02-JUN-1998; 98US-0087607P.

PR 02-JUN-1998; 98US-0087609P.

PR 02-JUN-1998; 98US-0087759P.

PR 03-JUN-1998; 98US-0087827P.

PR 04-JUN-1998; 98US-0088021P.

PR 04-JUN-1998; 98US-0088025P.

PR 04-JUN-1998; 98US-0088026P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088029P.

PR 04-JUN-1998; 98US-0088030P.

PR 04-JUN-1998; 98US-0088033P.

PR 10-JUN-1998; 98US-0088826P.  
 PR 11-JUN-1998; 98US-0088858P.  
 PR 11-JUN-1998; 98US-0088861P.  
 PR 11-JUN-1998; 98US-0088876P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 12-JUN-1998; 98US-0089440P.  
 PR 16-JUN-1998; 98US-0089512P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089532P.  
 PR 17-JUN-1998; 98US-0089538P.  
 PR 17-JUN-1998; 98US-0089598P.  
 PR 17-JUN-1998; 98US-0089599P.  
 PR 17-JUN-1998; 98US-0089600P.  
 PR 17-JUN-1998; 98US-0089653P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 30-NOV-1999; 99WO-US023313.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 06-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 15-MAY-2000; 2000WO-US013358.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 08-NOV-2000; 2000WO-US023328.  
 PR 01-DEC-2000; 2000WO-US033678.  
 PR 28-FEB-2001; 2001WO-US008520.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 28-AUG-2001; 2001US-00941992.

(GETH ) GENENTECH LTD.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
 XX Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaldi JC, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NF;  
 PI Roy MA, Stewart TA, Tamas D, Watanabe CK, Williams PM, Wood WI;  
 PI Zhang Z;

XX WPI; 2003-102117/09.  
 DR N-ESDB; ABX64184.

XX Novel secreted and transmembrane polypeptide for modulating biological

PT

PT activity of cell expressing the polypeptide, identifying agonists or  
 PS antagonists of polypeptide, and as molecular weight markers.  
 XX Claim 12; Fig 266; 649pp; English.  
 XX The present invention relates to the isolation of novel human PRO  
 CC polypeptides, and the polynucleotide sequences encoding them. The PRO  
 CC polypeptides are secreted and transmembrane proteins. The PRO  
 CC polypeptides are useful for detecting other PRO polypeptides, for linking  
 CC bioactive molecules to cells expressing PRO polypeptides, for modulating  
 CC biological activities of cells expressing PRO polypeptides, and for for  
 CC identifying agonists or antagonists. The polynucleotide sequences  
 CC encoding PRO polypeptides are useful as hybridisation probes, in  
 CC chromosome and gene mapping, in the generation of antisense RNA and DNA,  
 CC in the preparation of PRO polypeptides, for generating transgenic animals  
 CC or knockout animals, to construct hybridisation probes for mapping the  
 CC gene which encodes the PRO polypeptide, and for the genetic analysis of  
 CC individuals with genetic disorders, in gene therapy, for chromosome  
 CC identification, as chromosome markers, and for generating probes for PCR,  
 CC Northern analysis, Southern analysis and Western analysis. ABU13860-  
 CC ABU14006 represent the human PRO polypeptides of the invention. Note: The  
 CC sequence data for this patent was obtained in electronic format directly  
 CC from the USPTO web site at seqdata.uspto.gov/psipdsIDEntry.html  
 XX SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGSEC 60  
 Db 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGSEC 60  
 QY 61 HPGSHKVPFRKRKHHTCTCLNLLCSRPDPGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFRKRKHHTCTCLNLLCSRPDPGRYRCSMDLKNINF 105  
 RESULT 25  
 ABU08800  
 ID ABU08800 standard; protein; 105 AA.  
 AC ABU08800;  
 XX  
 XX 02-JUN-2003 (first entry)  
 DE Human endocrine gland-derived vascular endothelial growth factor.  
 XX  
 KW Human; EG-VEGF; sexual maturation; hypogonadotropic hypogonadism;  
 KW endocrine gland; vascular endothelial growth factor; ovarian cyst;  
 KW cellular proliferation; chemotaxis; congenital adrenal hyperplasia;  
 KW precocious puberty; McCune-Albright syndrome; cancer; infertility;  
 KW androgen-dependent cancer.  
 XX  
 OS Homo sapiens.  
 XX  
 FH Key Location/Qualifiers  
 FT Peptide 1..19 /note= "Signal peptide"  
 FT Protein 20..105 /note= "Mature EG-VEGF"  
 FT Modified-site 33 /note= "N-myristoylated"  
 FT Modified-site 35 /note= "N-myristoylated"  
 FT Modified-site 46 /note= "N-myristoylated"  
 FT  
 XX  
 PN US2002192634-A1.  
 XX  
 PD 19-DEC-2002.  
 XX

PF 19-DEC-2001; 2001US-00027603.  
 XX 11-AUG-1998; 98US-0096146P.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 26-JUL-1999; 99US-0145698P.  
 PR 25-AUG-1999; 99US-00380137.  
 PR 03-JAN-2000; 2000WO-US000219.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 23-JUN-2000; 2000US-0213637P.  
 PR 07-SEP-2000; 2000US-0230978P.  
 PR 08-NOV-2000; 2000US-00709238.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-JUN-2001; 2001US-00886242.  
 XX (FERR/) FERRARA N.  
 PA (WATA/) WATANABE C.  
 PA (WOOD/) WOOD W I.  
 PA (SHEK/) SHEK T.  
 XX Ferrara N, Watanabe C, Wood WI, Shek T;  
 PI WPI; 2003-352707/33.  
 XX DR N-PSDB; ABX93675.  
 XX  
 PT New anti-endocrine gland-derived vascular endothelial growth factor  
 PT monoclonal antibodies 1C6, 2A3, 2A8 or 4H9, useful for regulating  
 PT cellular proliferation and chemotaxis.  
 XX  
 PS Example 1; Fig 2; 105pp; English.  
 XX The invention relates to an antibody that binds essentially to the  
 CC epitope of endocrine gland-derived vascular endothelial growth factors  
 CC (EG-VEGF) and is selected from anti-EG-VEGF monoclonal antibodies 1C6,  
 CC 2A3, 2A8 and 4H9. The composition and methods are useful in regulating  
 CC cellular proliferation and chemotaxis, e.g. in treating conditions  
 CC associated with hormone-producing tissue such as congenital adrenal  
 CC hyperplasia, sexual maturation, precocious puberty, McCune-Albright  
 CC syndrome, hypogonadotropic hypogonadism, ovarian cyst, cancer such as  
 CC androgen-dependent cancer or infertility. The present sequence represents  
 CC the amino acid sequence of human endocrine gland-derived vascular  
 CC endothelial growth factor  
 XX SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGSEC 60  
 Db 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGSEC 60  
 QY 61 HPGSHKVPFRKRKHHTCTCLNLLCSRPDPGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFRKRKHHTCTCLNLLCSRPDPGRYRCSMDLKNINF 105  
 RESULT 26  
 ABU81104  
 ID ABU81104 standard; protein; 105 AA.  
 AC ABU81104;  
 XX  
 XX 23-JUN-2003 (first entry)  
 DE Human PRO polypeptide #235.  
 XX  
 KW Human; PRO polypeptide; secreted and transmembrane protein;  
 KW anti-PRO antibody; diagnostic assay; gene expression; diabetes;  
 KW bone disorder; cartilage disorder; rheumatoid arthritis; obesity;  
 KW sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;  
 KW hearing loss; coagulation disorder; stroke; heart attack; cardiac;  
 KW

KW antidiabetic; anorectic; vulnery; antiarthritic; osteopathic;  
KW antirheumatic; auditory; cerebroprotective; angiogenic.  
XX

OS Homo sapiens.

XX US2003004311-A1.

XX PD 02-JAN-2003.

XX PF 19-DEC-2001; 2001US-00028072.

XX PR 18-JUN-1997; 97US-0049911P.

XX PR 26-AUG-1997; 97US-0056974P.

XX PR 17-SEP-1997; 97US-0059113P.

XX PR 17-SEP-1997; 97US-0059115P.

XX PR 17-SEP-1997; 97US-0059117P.

XX PR 17-SEP-1997; 97US-0059122P.

XX PR 17-SEP-1997; 97US-0059184P.

XX PR 18-SEP-1997; 97US-0059263P.

XX PR 19-SEP-1997; 97US-0059352P.

XX PR 19-SEP-1997; 97US-0059588P.

XX PR 24-SEP-1997; 97US-0059836P.

XX PR 17-OCT-1997; 97US-0062250P.

XX PR 17-OCT-1997; 97US-0062285P.

XX PR 17-OCT-1997; 97US-0062287P.

XX PR 17-OCT-1997; 97US-0063755P.

XX PR 24-OCT-1997; 97US-0062811P.

XX PR 24-OCT-1997; 97US-0062816P.

XX PR 24-OCT-1997; 97US-0063045P.

XX PR 24-OCT-1997; 97US-0063082P.

XX PR 24-OCT-1997; 97US-0063127P.

XX PR 27-OCT-1997; 97US-0063327P.

XX PR 27-OCT-1997; 97US-0063329P.

XX PR 28-OCT-1997; 97US-0063550P.

XX PR 28-OCT-1997; 97US-0063561P.

XX PR 29-OCT-1997; 97US-0063704P.

XX PR 29-OCT-1997; 97US-0063733P.

XX PR 29-OCT-1997; 97US-0063735P.

XX PR 29-OCT-1997; 97US-0063738P.

XX PR 03-NOV-1997; 97US-0064248P.

XX PR 07-NOV-1997; 97US-0064809P.

XX PR 12-NOV-1997; 97US-0065186P.

XX PR 17-NOV-1997; 97US-0065846P.

XX PR 21-NOV-1997; 97US-0066364P.

XX PR 24-NOV-1997; 97US-0066453P.

XX PR 24-NOV-1997; 97US-0066511P.

XX PR 24-NOV-1997; 97US-0066770P.

XX PR 11-DEC-1997; 97US-0069212P.

XX PR 11-DEC-1997; 97US-0069278P.

XX PR 16-DEC-1997; 97US-0069334P.

XX PR 16-DEC-1997; 97US-0069694P.

XX PR 23-JAN-1998; 98US-0072320P.

XX PR 04-FEB-1998; 98US-0073612P.

XX PR 09-FEB-1998; 98US-0074086P.

XX PR 09-FEB-1998; 98US-0074092P.

XX PR 12-MAR-1998; 98US-0077791P.

XX PR 20-MAR-1998; 98US-0078910P.

XX PR 25-MAR-1998; 98US-0079294P.

XX PR 27-MAR-1998; 98US-0079663P.

XX PR 27-MAR-1998; 98US-0079728P.

XX PR 31-MAR-1998; 98US-0080165P.

XX PR 12-JUN-1998; 98US-0080245P.

XX PR 14-JUL-1998; 98US-0080455P.

XX PR 26-AUG-1998; 98US-0080788P.

XX PR 10-SEP-1998; 98US-0080824P.

XX PR 14-SEP-1998; 98US-0080909P.

XX PR 14-SEP-1998; 98US-0080917P.

XX PR 16-SEP-1998; 98US-0080930P.

XX PR 17-SEP-1998; 98US-0080943P.

XX PR 17-SEP-1998; 98US-0080943P.

XX PR 29-OCT-1998; 98US-0080991P.

XX PR 29-OCT-1998; 98US-0080991P.

PR 20-NOV-1998; 98WO-US024855.

PR 01-DEC-1998; 98WO-US025108.

PR 05-JAN-1999; 99WO-US000106.

PR 08-MAR-1999; 99WO-US005028.

PR 10-MAR-1999; 99WO-US005190.

PR 20-APR-1999; 99WO-US008615.

PR 14-MAY-1999; 99WO-US010733.

PR 02-JUN-1999; 99WO-US012252.

PR 01-SEP-1999; 99WO-US020111.

PR 08-SEP-1999; 99WO-US020594.

PR 13-SEP-1999; 99WO-US020944.

PR 13-SEP-1999; 99WO-US021090.

PR 15-SEP-1999; 99WO-US021547.

PR 05-OCT-1999; 99WO-US023089.

PR 29-NOV-1999; 99WO-US028214.

PR 30-NOV-1999; 99WO-US028313.

PR 01-DEC-1999; 99WO-US028409.

PR 01-DEC-1999; 99WO-US028301.

PR 02-DEC-1999; 99WO-US028634.

PR 02-DEC-1999; 99WO-US028551.

PR 02-DEC-1999; 99WO-US028564.

PR 16-DEC-1999; 99WO-US028565.

PR 20-DEC-1999; 99WO-US030095.

PR 20-DEC-1999; 99WO-US030911.

PR 20-DEC-1999; 99WO-US030999.

PR 30-DEC-1999; 99WO-US031243.

PR 30-DEC-1999; 99WO-US031274.

PR 05-JAN-2000; 2000WO-US000219.

PR 06-JAN-2000; 2000WO-US000277.

PR 06-JAN-2000; 2000WO-US000376.

PR 11-FEB-2000; 2000WO-US003565.

PR 18-FEB-2000; 2000WO-US004341.

PR 18-FEB-2000; 2000WO-US004342.

PR 22-FEB-2000; 2000WO-US004414.

PR 24-FEB-2000; 2000WO-US004914.

PR 24-FEB-2000; 2000WO-US005004.

PR 01-MAR-2000; 2000WO-US005601.

PR 02-MAR-2000; 2000WO-US005746.

XX

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;

XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-352836/33.

XX N-PSDB; ACA67228.

XX New isolated PRO polypeptide useful for treating diabetes, rheumatoid

XX arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or

XX heart attack.

XX

XX Claim 12; Fig 470; 643pp; English.

XX

XX The present invention relates to the isolation of novel human PRO

XX polypeptides, and the polynucleotide sequences encoding them. The PRO

XX polypeptides are secreted and transmembrane proteins. The PRO

XX polypeptides and polynucleotides are useful for preparing a medicament

XX useful in the treatment of diabetes, bone and/or cartilage disorders

XX (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,

XX hyper- or hypo-insulinaemia, hearing loss, and coagulation disorders

XX (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic

XX assays for PRO, by detecting its expression in specific cells, tissues or

XX serum, and for affinity purification of PRO from recombinant cell culture

XX or natural sources. ABU0870-ABU81144 represent the human PRO

XX polypeptides of the invention. Note: The sequence data for this patent

XX was obtained in electronic format directly from the USPTO web site at

XX seqdata.uspto.gov/psipdIdentEntry.html

XX

XX Sequence 105 AA;

XX

XX Query Match 100.0%; Score 589; DB 6; Length 105;

XX Best Local Similarity 100.0%; Pred. No. 2.5e-54;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLRGEGEC 60  
 DB 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRRKHHKHTCPCLENNLCSRPDPGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKHHKHTCPCLENNLCSRPDPGRYRCSDMLKNINF 105

RESULT 27  
 ABU07603  
 ID ABU07603 standard; protein; 105 AA.  
 AC ABU07603;  
 XX  
 DT 10-MAY-2003 (first entry)  
 XX  
 DE Human ZVEN2.  
 XX  
 KW Human; ZVEN2; tumour.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US6485938-B1.  
 XX  
 PD 26-NOV-2002.  
 XX  
 PF 14-NOV-2000; 2000US-00712529.  
 XX  
 PR 16-NOV-1999; 99US-0165905P.  
 PR 25-FEB-2000; 2000US-0184875P.  
 PR 19-APR-2000; 2000US-0197750P.  
 PR 07-JUN-2000; 2000US-0210332P.  
 XX  
 FA (ZYMO) ZYMOGENETICS INC.  
 XX  
 PI Sheppard PO, Bishop PD;  
 XX  
 DR WPI: 2003-287426/28.  
 DR N-PSDB; ABX12104, ABX12105.  
 XX  
 PT Novel isolated nucleic acid molecule that encodes a Zven1 polypeptide,  
 PT useful for inhibiting the proliferation of tumor cells, or to detect the  
 PT expression of a Zven1 or Zven2 gene in a biological sample.  
 XX  
 PS Disclosure; Col 3; 37pp; English.  
 CC  
 CC The invention relates to an isolated nucleic acid molecule (I) that  
 CC encodes a Zven1 polypeptide. (I) is useful for inhibiting the  
 CC proliferation of tumour cells, as probes or primers to clone 5' non-  
 CC coding regions of a Zven gene, to direct the expression of heterologous  
 CC gene in tissues of, for example, transgenic animals or patients treated  
 CC with gene therapy, to detect the expression of a Zven1 or Zven2 gene in a  
 CC biological sample, to detect activated neutrophils, to identify  
 CC therapeutic or prophylactic agents that modulate the response of a  
 CC neutrophil to a pathogen, to determine whether a subject's chromosomes  
 CC contain a mutation in the Zven gene, or to detect aberrations in Zven1 or  
 CC Zven2 locus. (II) is useful as educational tools, as laboratory practicum  
 CC kits for courses related to genetics and molecular biology, protein  
 CC chemistry and antibody production and analysis. The present sequence  
 CC represents the amino acid sequence of ZVEN2  
 XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLRGEGEC 60  
 DB 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRRKHHKHTCPCLENNLCSRPDPGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKHHKHTCPCLENNLCSRPDPGRYRCSDMLKNINF 105

RESULT 28  
 ABU72559  
 ID ABU72559 standard; protein; 105 AA.  
 XX  
 AC ABU72559;  
 XX  
 DT 17-JUN-2003 (first entry)  
 XX  
 DE Novel human secreted and transmembrane protein PRO1186.  
 XX  
 KW Human; secreted and transmembrane protein; cytostatic; anti-HIV;  
 KW virucide; hepatotropic; antiinflammatory; neuroprotective; gene therapy;  
 KW PRO; pharmaceutical; diagnostic; biosensor; bio-reactor; malignancy;  
 KW cancer; ovarian cancer; colorectal cancer; Kaposi's sarcoma; leukaemia;  
 KW lymphoma; hepatitis B; multiple sclerosis; Crohn's disease;  
 KW drug screening.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003003531-A1.  
 XX  
 PD 02-JAN-2003.  
 XX  
 PF 19-NOV-2001; 2001US-00989734.  
 XX  
 PR 16-JUN-1997; 97US-0049787P.  
 PR 17-OCT-1997; 97US-0063250P.  
 PR 05-NOV-1997; 97WO-US020069.  
 PR 12-NOV-1997; 97US-0065186P.  
 PR 13-NOV-1997; 97US-0065311P.  
 PR 24-NOV-1997; 97US-0066770P.  
 PR 25-FEB-1998; 98US-0075945P.  
 PR 20-MAR-1998; 98US-0078910P.  
 PR 28-APR-1998; 98US-0083322P.  
 PR 07-MAY-1998; 98US-0084600P.  
 PR 28-MAY-1998; 98US-0087106P.  
 PR 02-JUN-1998; 98US-0087607P.  
 PR 02-JUN-1998; 98US-0087609P.  
 PR 02-JUN-1998; 98US-0087759P.  
 PR 03-JUN-1998; 98US-0087827P.  
 PR 04-JUN-1998; 98US-0088021P.  
 PR 04-JUN-1998; 98US-0088025P.  
 PR 04-JUN-1998; 98US-0088026P.  
 PR 04-JUN-1998; 98US-0088028P.  
 PR 04-JUN-1998; 98US-0088029P.  
 PR 04-JUN-1998; 98US-0088030P.  
 PR 04-JUN-1998; 98US-0088033P.  
 PR 04-JUN-1998; 98US-0088326P.  
 PR 05-JUN-1998; 98US-0088167P.  
 PR 05-JUN-1998; 98US-0088202P.  
 PR 05-JUN-1998; 98US-0088212P.  
 PR 05-JUN-1998; 98US-0088217P.  
 PR 09-JUN-1998; 98US-0088655P.  
 PR 10-JUN-1998; 98US-0088734P.  
 PR 10-JUN-1998; 98US-0088738P.  
 PR 10-JUN-1998; 98US-0088742P.  
 PR 10-JUN-1998; 98US-0088810P.  
 PR 10-JUN-1998; 98US-0088824P.  
 PR 10-JUN-1998; 98US-0088826P.  
 PR 11-JUN-1998; 98US-0088858P.  
 PR 11-JUN-1998; 98US-0088861P.  
 PR 12-JUN-1998; 98US-0088876P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 16-JUN-1998; 98US-0089440P.  
 PR 16-JUN-1998; 98US-0089512P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089532P.

PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089599P.  
PR 17-JUN-1998; 98US-0089600P.  
PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089801P.  
PR 18-JUN-1998; 98US-0089907P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 02-JUN-1999; 99WO-US012252.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 30-NOV-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 02-MAR-2000; 2000WO-US005004.  
PR 20-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 15-MAY-2000; 2000WO-US013358.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 28-DEC-2001; 2001WO-US006520.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 28-AUG-2001; 2001WO-US041992.  
XX (GETH) GENENTECH INC.  
XX  
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;  
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams FM, Wood WI;  
PI Zhang Z;  
XX  
XX WPI; 2003-352829/33.  
DR N-PSDB; ACA64406.  
XX  
XX New genes and secreted and transmembrane polypeptides (e.g. PRO183 or  
PT PRO184), useful for treating or diagnosing e.g. ovarian cancer, Kaposi's  
PT sarcoma, leukemia, lymphoma, hepatitis B, multiple sclerosis or Crohn's  
PT disease.  
XX  
XX Claim 12; Fig 266; 663pp; English.  
PS  
XX The invention describes a new isolated nucleic acid molecule comprising  
CC the full length coding sequence of the DNA deposited with the American  
CC Type Culture Collection (e.g. ATCC Deposit No. 209621, 552-PTA, 819-PTA,

CC 209439, 203135, etc); or a sequence with at least 80% identity to a DNA  
CC encoding a PRO polypeptide. The PRO polypeptides or polynucleotides are  
CC useful as pharmaceuticals, diagnostics, biosensors or bioeffectors. These  
CC are particularly useful for detecting or treating e.g. malignancies or  
CC cancers (e.g. ovarian cancer, colorectal cancer, Kaposi's sarcoma,  
CC leukemia or lymphoma), hepatitis B, multiple sclerosis, or Crohn's  
CC disease in mammals. The PRO polypeptides are useful in drug screening,  
CC particularly as targets for therapeutic intervention in these diseases,  
CC and in the diagnostic determination of the presence of these diseases.  
CC The PRO polypeptides are also useful as molecular weight markers, or for  
CC chromosome identification. The PRO genes are useful as hybridisation  
CC probes, or for screening libraries of human cDNA, genomic DNA or mRNA.  
CC The PRO genes may also be used in gene therapy, particularly for  
CC replacing a defective gene. This is the amino acid sequence of a novel  
CC human secreted and transmembrane PRO polypeptide  
XX  
SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60  
Db 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60  
Qy 61 HPGSHKVPFRFRKHKHTCPLNLLCSRFDPDGRYRCMDLKNINF 105  
Db 61 HPGSHKVPFRFRKHKHTCPLNLLCSRFDPDGRYRCMDLKNINF 105

RESULT 29  
ABU66804  
ID ABU66804 standard; protein; 105 AA.  
XX AC ABU66804;  
XX DT 23-MAY-2003 (first entry)  
XX DE Human PRO polypeptide #235.  
XX KW Human; PRO polypeptide; secreted and transmembrane protein;  
KW tumour necrosis factor-alpha; TNF-alpha; blood; proliferation;  
KW differentiation; chondrocyte; tumour; genetic disorder; cytostatic.  
XX OS Homo sapiens.  
XX PN US2003036180-A1.  
XX PD 20-FEB-2003.  
XX PF 09-MAY-2002; 2002US-00143114.  
XX PR 31-MAR-1997; 97WO-US005230.  
PR 12-JUN-1998; 98WO-US012456.  
PR 14-JUL-1998; 98WO-US014552.  
PR 28-AUG-1998; 98WO-US017888.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019093.  
PR 14-SEP-1998; 98WO-US019094.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022991.  
PR 20-NOV-1998; 98WO-US022992.  
PR 01-DEC-1998; 98WO-US024855.  
PR 05-JAN-1999; 98WO-US025108.  
PR 08-MAR-1999; 99WO-US000106.  
PR 10-MAR-1999; 99WO-US005190.  
PR 20-APR-1999; 99WO-US008615.  
PR 14-MAY-1999; 99WO-US010733.

PR 02-JUN-1999; 99WO-US012252.  
PR 01-SEP-1999; 99WO-US020111.  
PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 29-NOV-1999; 99WO-US028214.  
PR 30-NOV-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028409.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 02-DEC-1999; 99WO-US028551.  
PR 02-DEC-1999; 99WO-US028564.  
PR 02-DEC-1999; 99WO-US028565.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030999.  
PR 22-DEC-1999; 99WO-US030720.  
PR 30-DEC-1999; 99WO-US031243.  
PR 30-DEC-1999; 99WO-US031274.  
PR 05-JAN-2000; 99WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US000356.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 21-MAR-2000; 2000WO-US007532.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034958.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006666.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 10-MAY-2001; 2001US-00854280.  
PR 18-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-332040/31.  
DR N-PSDB; ACA03837.  
XX New secreted and transmembrane PRO nucleic acids, useful for gene  
PT therapy, in chromosome and gene mapping, as chromosome markers, in tissue  
PT typing, and in chromosome identification.  
XX Claim 12; Fig 470; 660pp; English.  
XX The present invention relates to the isolation of novel human PRO  
CC polypeptides, and the polynucleotide sequences encoding them. The PRO  
CC polypeptides are secreted and transmembrane proteins. The PRO  
CC polypeptides are useful for detecting other PRO polypeptides, for linking  
CC bioactive molecules to cells expressing PRO polypeptides, for modulating  
CC biological activities of cells expressing PRO polypeptides, and for for  
CC identifying agonists or antagonists. The PRO polypeptides are useful for  
CC stimulating the release of tumour necrosis factor (TNF)-alpha from  
CC human blood, for stimulating the proliferation or differentiation of  
CC chondrocytes, and detecting the presence of tumours. The polynucleotide  
CC sequences encoding PRO polypeptides are useful as hybridisation probes,  
CC in chromosome and gene mapping, in the generation of antisense RNA and  
CC DNA, in the preparation of PRO polypeptides, for generating transgenic  
CC animals or knockout animals, for the genetic analysis of individuals with  
CC genetic disorders, and in gene therapy. ABU66570-ABU66844 represent the  
CC human PRO polypeptides of the invention. Note: The sequence data for this  
CC patent was obtained in electronic format directly from the USPTO web site  
CC at seqdata.uspto.gov/psipspDIDentry.html  
XX SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRLMCTPLRGEGEC 60  
Db 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRLMCTPLRGEGEC 60  
QY 61 HPGSHKVPFRKXKHTCPCLNLLCSRPDGRYRCSMDLKNIF 105  
Db 61 HPGSHKVPFRKXKHTCPCLNLLCSRPDGRYRCSMDLKNIF 105  
RESULT 30  
ABUS9885  
ID ABUS9885 standard; protein; 105 AA.  
XX AC ABUS9885;  
XX 13-MAY-2003 (first entry)  
XX Novel secreted and transmembrane protein PRO1186.  
XX Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;  
KW cardiac insufficiency disorder; cancer; tumour; immune response;  
KW adrenal cortical capillary endothelial growth; c-fos induction;  
KW vascular endothelial growth factor inhibition; VEGF inhibition;  
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;  
KW retinal neurons cell survival; rod photoreceptor cell survival;  
KW retinal disorder; retinitis pigmentosum; kidney disorder;

KW mammalian kidney mesangial cell proliferation; Berger disease;  
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;  
KW chondrocyte redifferentiation; sports injury; arthritis.

OS Homo sapiens.

XX US2003017563-A1.

XX 23-JAN-2003.

XX 07-MAY-2002; 2002US-00140808.

XX 31-MAR-1997; 97WO-US005230.

XX 12-JUN-1998; 98WO-US012456.

XX 14-JUL-1998; 98WO-US014532.

XX 28-AUG-1998; 98WO-US017888.

XX 10-SEP-1998; 98WO-US018824.

XX 14-SEP-1998; 98WO-US019033.

XX 14-SEP-1998; 98WO-US019094.

XX 16-SEP-1998; 98WO-US019177.

XX 17-SEP-1998; 98WO-US019330.

XX 07-OCT-1998; 98WO-US021141.

XX 29-OCT-1998; 98WO-US022931.

XX 29-OCT-1998; 98WO-US022932.

XX 20-NOV-1998; 98WO-US024855.

XX 01-DEC-1998; 98WO-US025108.

XX 05-JAN-1999; 99WO-US000106.

XX 08-MAR-1999; 99WO-US000508.

XX 10-MAR-1999; 99WO-US005190.

XX 20-APR-1999; 99WO-US008615.

XX 14-MAY-1999; 99WO-US010733.

XX 02-JUN-1999; 99WO-US012252.

XX 01-SEP-1999; 99WO-US020111.

XX 08-SEP-1999; 99WO-US020594.

XX 13-SEP-1999; 99WO-US020944.

XX 15-SEP-1999; 99WO-US021090.

XX 15-SEP-1999; 99WO-US021547.

XX 05-OCT-1999; 99WO-US023089.

XX 29-NOV-1999; 99WO-US028214.

XX 30-NOV-1999; 99WO-US028313.

XX 30-NOV-1999; 99WO-US028409.

XX 01-DEC-1999; 99WO-US028301.

XX 01-DEC-1999; 99WO-US028634.

XX 02-DEC-1999; 99WO-US028551.

XX 02-DEC-1999; 99WO-US028565.

XX 16-DEC-1999; 99WO-US030095.

XX 20-DEC-1999; 99WO-US030911.

XX 22-DEC-1999; 99WO-US030999.

XX 30-DEC-1999; 99WO-US030720.

XX 30-DEC-1999; 99WO-US031243.

XX 05-JAN-2000; 2000WO-US000219.

XX 06-JAN-2000; 2000WO-US000277.

XX 06-JAN-2000; 2000WO-US000376.

XX 11-FEB-2000; 2000WO-US003565.

XX 18-FEB-2000; 2000WO-US004341.

XX 18-FEB-2000; 2000WO-US004342.

XX 22-FEB-2000; 2000WO-US004414.

XX 24-FEB-2000; 2000WO-US004914.

XX 24-FEB-2000; 2000WO-US005004.

XX 01-MAR-2000; 2000WO-US005601.

XX 02-MAR-2000; 2000WO-US005746.

XX 02-MAR-2000; 2000WO-US005841.

XX 10-MAR-2000; 2000WO-US006319.

XX 15-MAR-2000; 2000WO-US006884.

XX 20-MAR-2000; 2000WO-US007377.

XX 21-MAR-2000; 2000WO-US007532.

XX 30-MAR-2000; 2000WO-US008439.

XX 17-MAY-2000; 2000WO-US013705.

XX 22-MAY-2000; 2000WO-US014042.

XX 30-MAY-2000; 2000WO-US014941.

PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US005520.  
PR 01-MAR-2001; 2001WO-US005666.  
PR 03-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 18-MAY-2001; 2001US-00854280.  
PR 18-MAY-2001; 2001US-00860216.  
PR 23-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 08-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.

(GETH ) GENENTECH INC.

Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-148238/14.

N-PSDB; ABX89375.

Two hundred and seventy five nucleic acids encoding PRO polypeptides,  
useful for treating pericyte-associated tumors, diabetes and various bone  
and/or cartilage disorders, e.g. arthritis.

Claim 12; Fig 470; 659pp; English.

The invention describes an isolated human PRO polypeptide. The PRO  
polypeptides are useful in detecting PRO polypeptides in a sample, in  
linking a bioactive molecule to a cell expressing a PRO polypeptide, and  
in modulating at least one biological activity of a cell expressing a PRO  
polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus  
useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186  
stimulate adrenal cortical capillary endothelial growth, and PRO536,  
PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,  
PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus  
useful for treating conditions or disorders where angiogenesis would be  
beneficial, e.g. wound healing and antagonist of this polypeptide are  
useful for treating cancerous tumours. PRO812 inhibits vascular  
endothelial growth factor (VEGF) stimulated proliferation of endothelial  
cells and is thus useful for inhibiting endothelial cell growth in  
mammals which would be beneficial in inhibiting tumour growth. PRO826,  
PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of  
stimulated T-lymphocytes and are therapeutically useful for enhancing  
immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of  
retinal neurons cells (PRO1132 is also enhances survival/proliferation of

CC rod photoreceptor cells) and therefore are useful for treating retinal  
 CC disorders of injuries, e.g. retinitis pigmentosa, AMD, PRO819, PRO813  
 CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,  
 CC and therefore are useful for treating kidney disorders associated with  
 CC decreased mesangial cell function such as Berger disease or other  
 CC nephropathies associated with dermatitis, herpeticiformis or Crohn's  
 CC disease, PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the  
 CC proliferation and/or redifferentiation of chondrocytes in culture and are  
 CC thus useful for treating sports injuries, and arthritis. This is the  
 CC amino acid sequence of a novel human PRO protein  
 CC  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVIMLLVTVSDCAVITGACERDVCGAGTCCATSLWLRGLRMCTPLGREGEC 60  
 |||||  
 DB 1 MEGATRVIMLLVTVSDCAVITGACERDVCGAGTCCATSLWLRGLRMCTPLGREGEC 60  
 |||||

QY 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRFPPDGRYRCSDMLKNI 105  
 |||||  
 DB 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRFPPDGRYRCSDMLKNI 105  
 |||||

RESULT 31  
 ABUS9308  
 ID ABUS9308 standard; protein; 105 AA.  
 XX AC ABUS9308;  
 XX  
 XX 22-APR-2003 (first entry)  
 XX  
 XX Human secreted/transmembrane protein, #151.  
 XX  
 XX Human; PRO; secreted; transmembrane; pharmaceutical; diagnostic;  
 KW biosensor; bioreactor; tumour; therapeutic; gene therapy;  
 KW tumour-associated antigenic target; fAT; ABEPT;  
 KW antibody-dependent enzyme mediated prodrug therapy; cytostatic.  
 XX  
 XX Homo sapiens.  
 XX  
 XX US2003027162-A1.  
 XX  
 XX 06-FEB-2003.  
 XX  
 XX 15-NOV-2001; 2001US-00937428.  
 XX  
 XX 16-JUN-1997; 97US-0049787P.  
 XX 17-OCT-1997; 97US-0062250P.  
 XX 05-NOV-1997; 97MO-US020069.  
 XX 12-NOV-1997; 97US-0065186P.  
 XX 13-NOV-1997; 97US-0065311P.  
 XX 24-NOV-1997; 97US-0066770P.  
 XX 25-FEB-1998; 98US-0075945P.  
 XX 20-MAR-1998; 98US-0078910P.  
 XX 28-APR-1998; 98US-0083322P.  
 XX 07-MAY-1998; 98US-0084602P.  
 XX 28-MAY-1998; 98US-0087106P.  
 XX 02-JUN-1998; 98US-0087607P.  
 XX 02-JUN-1998; 98US-0087609P.  
 XX 02-JUN-1998; 98US-0087759P.  
 XX 03-JUN-1998; 98US-0087827P.  
 XX 04-JUN-1998; 98US-0088021P.  
 XX 04-JUN-1998; 98US-0088025P.  
 XX 04-JUN-1998; 98US-0088026P.  
 XX 04-JUN-1998; 98US-0088028P.  
 XX 04-JUN-1998; 98US-0088029P.  
 XX 04-JUN-1998; 98US-0088030P.  
 XX 04-JUN-1998; 98US-0088033P.  
 XX 04-JUN-1998; 98US-0088326P.  
 XX 05-JUN-1998; 98US-0088167P.  
 XX 05-JUN-1998; 98US-0095321P.

PR 05-JUN-1998; 98US-0088202P.  
 PR 05-JUN-1998; 98US-0088212P.  
 PR 05-JUN-1998; 98US-0088217P.  
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PR 01-DEC-1999;	98WO-US028634.
PR 16-DEC-1999;	98WO-US030095.
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PR 06-JAN-2000;	2000WO-US000376.
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PR 24-FEB-2000;	2000WO-US004914.
PR 24-FEB-2000;	2000WO-US005004.
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PR 30-MAR-2000;	2000WO-US008439.
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PR 17-MAY-2000;	2000WO-US013705.
PR 22-MAY-2000;	2000WO-US014042.
PR 30-MAY-2000;	2000WO-US014941.
PR 02-JUN-2000;	2000WO-US015264.
PR 23-JUN-2000;	2000US-0213637P.
PR 28-JUL-2000;	2000WO-US020710.
PR 11-AUG-2000;	2000WO-US022031.
PR 23-AUG-2000;	2000WO-US023522.
PR 24-AUG-2000;	2000WO-US023328.
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Best Local Similarity 100.0%; Pred. No. 2.5e-54;	
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Db	
RESULT 32	
ABO26005	
ID	ABO26005 standard; protein; 105 AA.
XX	
AC	ABO26005;
XX	
DT	10-SEP-2003 (first entry)
XX	
DE	Human PRO1186 polypeptide.
XX	
KW	Human; PRO polypeptide; secreted protein; transmembrane protein;
KX	genetic disorder; antibacterial; immunosuppressive.
XX	
OS	Homo sapiens.
XX	
PN	US2002127576-A1.
XX	
PD	12-SEP-2002.
XX	
PF	14-NOV-2001; 2001US-00991073.
XX	
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PR	17-OCT-1997; 97US-0062250P.
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 PR 01-DEC-1999; 99WO-US028634.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
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 PR 02-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006319.  
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 PR 28-AUG-2001; 2001US-00941992.  
 (GETH ) GENENTECH INC.  
 XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
 PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PU;  
 PI Grimaldi JC, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NF;  
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
 PI Zhang Z;  
 XX  
 DR WPI; 2003-340824/32.  
 XX N-PSDB; ACD44374.  
 PT Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346  
 PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes  
 PT and are therapeutically useful for enhancing immune responses.  
 XX  
 XX Claim 12; Fig 266; 661pp; English.  
 XX  
 CC The present invention relates to the isolation of novel human PRO  
 CC polypeptides, and the polynucleotide sequences encoding them. The PRO  
 CC polypeptides are secreted and transmembrane proteins. The PRO  
 CC polypeptides are useful for detecting other PRO polypeptides, for linking  
 CC bioactive molecules to cells expressing PRO polypeptides, for modulating  
 CC biological activities of cells expressing PRO polypeptides, and for for  
 CC identifying agonists or antagonists. The polynucleotide sequences  
 CC encoding PRO polypeptides are useful as hybridisation probes, in  
 CC chromosome and gene mapping, in the generation of antisense RNA and DNA,  
 CC in the preparation of PRO polypeptides, for generating transgenic animals  
 CC or knockout animals, to construct hybridisation probes for mapping the  
 CC gene which encodes the PRO polypeptide, and for the genetic analysis of  
 CC individuals with genetic disorders, in gene therapy, for chromosome  
 CC identification, as chromosome markers, and for generating probes for PCR,  
 CC Northern analysis, Southern analysis and Western analysis. ABO25891-  
 CC ABO26037 represent the human PRO polypeptides of the invention. Note: The  
 CC sequence data for this patent was obtained in electronic format directly  
 CC from the USPTO web site at seqdata.uspto.gov/paipdEntry.html  
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 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60  
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 ID ABO25075 standard; protein; 105 AA.  
 XX  
 AC ABO25075;  
 XX  
 DT 05-SEP-2003 (first entry)  
 XX  
 DE Human secreted/transmembrane protein (PRO) #235.  
 XX  
 KW Human, PRO; secreted protein; transmembrane protein; tumour; cytostatic;  
 KW gene therapy; tumour necrosis factor-alpha; TNF-alpha; blood;  
 KW proteoglycan; cartilage; cytokine; peripheral blood mononuclear cell;  
 KW PBMC; glucose uptake; FFA; skeletal muscle cell; adipocyte cell;  
 KW chondrocyte cell proliferation; chondrocyte cell differentiation;  
 KW pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell; A-peptide; factor VIIA.  
 XX  
 OS Homo sapiens.  
 XX  
 XX US2003036179-A1.  
 XX  
 PD 20-FEB-2003.  
 XX  
 XX 10-MAY-2002; 2002US-00142431.  
 XX  
 XX 31-MAR-1997; 97WO-US005230.  
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 PR 18-FEB-2000; 2000WO-US004342.  
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 PR 02-MAR-2000; 2000WO-US005746.  
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 PR 20-MAR-2000; 2000WO-US007377.  
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 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001WO-US017092.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 05-JUN-2001; 2001US-00874503.  
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 PR 19-JUN-2001; 2001US-00886342.  
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 PR 09-JUL-2001; 2001WO-US021735.  
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 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 FA (GETH ) GENENTECH INC.  
 XX  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX  
 DR WPI; 2003-466355/44.  
 DR N-PSDB; ACD42029.  
 XX  
 PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or  
 PT PRO4978, useful in molecular biology, chromosome and gene mapping, in  
 PT generating antisense RNA and DNA, and in gene therapy.  
 XX  
 PS Claim 12; Fig 470; 659pp; English.  
 XX  
 CC The invention relates to an isolated nucleic acid comprising at least 80%  
 CC sequence identity to a PRO (secreted and transmembrane protein) cDNA  
 CC comprising a nucleic acid (a) encoding a PRO polypeptide, or its  
 CC extracellular domain (with or without its associated signal peptide),  
 CC which comprises any of the 275 120-850 residue amino acid sequences,  
 CC given in the specification; (b) comprising any of the 275 300-3500  
 CC nucleotide sequences, given in the specification; or (c) comprising the  
 CC full-length coding sequence of the nucleotide sequences given in the  
 CC specification, or of the DNA deposited under any of the American Type  
 CC Culture Collection (ATCC) Accession Numbers listed in the specification.  
 CC Also included are a vector comprising the novel nucleic acid, a host cell  
 CC comprising the vector, producing a PRO polypeptide, the isolated PRO  
 CC polypeptides detailed above, a chimaeric molecule comprising the PRO  
 CC polypeptide of fused to a heterologous amino acid sequence, an anti-PRO  
 CC antibody, detecting a PRO polypeptide in a sample suspected of containing  
 CC the PRO polypeptide, linking a bioactive molecule to a cell expressing a  
 CC PRO polypeptide, modulating at least one biological activity of a cell  
 CC expressing a PRO polypeptide, stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, (or proteoglycans from  
 CC cartilage or cytokine from peripheral blood mononuclear cells (PBMC)),  
 CC modulating the uptake of glucose or FFA by skeletal muscle cells or  
 CC adipocyte cells, stimulating the proliferation or differentiation of  
 CC chondrocyte cells (or proliferation of or gene expression in pericyte  
 CC cells), stimulating the proliferation of inner ear utricular supporting  
 CC cells (or of T-lymphocyte cells, or of endothelial cells), inhibiting the  
 CC binding of A-peptide to factor VIIa, or differentiation of adipocyte  
 CC cells, detecting the presence of a tumour in a mammal and an  
 CC oligonucleotide probe derived from any of the nucleotide sequences given  
 CC in the specification. The polynucleotide is useful in molecular biology,  
 CC including uses as hybridisation probes, in chromosome and gene mapping,  
 CC in generating antisense RNA and DNA, and in gene therapy. The  
 CC polynucleotide may also be used in preparing PRO polypeptides by  
 CC recombinant techniques, and in generating either transgenic animals or  
 CC knock-out animals which, in turn, are useful in the development and  
 CC screening of therapeutically useful reagents. The PRO polypeptide or the

CC antibody is used in preparing a medicament for treating a condition  
CC responsive to the polypeptide or antibody, such as tumours, and in  
CC various diagnostic assays..The present sequence represents a PRO  
CC polypeptide  
XX  
XX Sequence 105 AA;  
SQ

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
DB 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 34  
ABU82130  
ID ABU82130 standard; protein; 105 AA.  
XX  
AC ABU82130;  
XX  
DT 25-JUN-2003 (first entry)  
XX  
DE Novel human secreted and transmembrane protein PRO1166.  
XX  
KW Human; secreted and transmembrane protein; PRO; cardiant; cytostatic;  
KW antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic;  
KW gene therapy; cardiovascular disorder; endothelial disorder;  
KW angogenic disorder; cardiac hypertrophy; trauma; cancer;  
KW age-related macular degeneration; atherosclerosis; hypertension;  
KW arterial restenosis; rheumatoid arthritis; angina; myocardial infarction;  
KW thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma;  
KW liver carcinoma; wound healing; chromosome mapping; gene mapping.  
XX  
OS Homo sapiens.  
XX  
PN US2003088063-A1.  
XX  
PD 08-MAY-2003.  
XX  
PF 12-AUG-2002; 2002US-00219003.  
XX  
PR 25-JUL-2000; 2000US-0220664P.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-APR-2002; 2002US-00119480.  
XX  
PA (GETH ) GENENTECH INC.  
XX  
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WT;  
XX  
DR WPI; 2003-393229/37.  
DR N-PSDB; ACA68579.  
XX  
PT One hundred and eighty seven nucleic acids encoding PRO polypeptides,  
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial  
PT infarction), endothelial or angiogenic disorders in a mammal.  
XX  
PS Claim 11; Fig 166; 314pp; English.  
XX  
CC The invention describes one hundred and eighty seven nucleic acids  
CC encoding novel human secreted and transmembrane (PRO) polypeptides. The  
CC PRO nucleic acids, polypeptides, agonists and antagonists are useful for  
CC treating or diagnosing a cardiovascular, endothelial or angiogenic  
CC disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-  
CC related macular degeneration, atherosclerosis, hypertension, arterial  
CC restenosis, rheumatoid arthritis, angina, myocardial infarctions,

CC thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast  
CC carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids  
CC have applications in molecular biology, including use as hybridisation  
CC probes, and in chromosome and gene mapping. This is the amino acid  
XX sequence of a novel human secreted and transmembrane PRO polypeptide  
XX  
SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
DB 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 35  
ABU59014  
ID ABU59014 standard; protein; 105 AA.  
XX  
AC ABU59014;  
XX  
DT 16-APR-2003 (first entry)  
XX  
DE Human secreted/transmembrane protein, #151.  
XX  
KW Human; PRO; secreted; transmembrane; signal peptide; pharmaceutical;  
KW diagnostic; biosensor; bioreactor; tumour; therapeutic; colon cancer;  
KW lung cancer; breast cancer; cancer; gene therapy.  
XX  
OS Homo sapiens.  
XX  
PN US2002142961-A1.  
XX  
PD 03-OCT-2002.  
XX  
PF 19-NOV-2001; 2001US-00989721.  
XX  
PR 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US020069.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 28-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 28-MAY-1998; 98US-0087106P.  
PR 02-JUN-1998; 98US-0087607P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 02-JUN-1998; 98US-0087759P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088025P.  
PR 04-JUN-1998; 98US-0088026P.  
PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088029P.  
PR 04-JUN-1998; 98US-0088030P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088326P.  
PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.

PR 10-JUN-1998; 98US-0088742P.  
 PR 10-JUN-1998; 98US-0088810P.  
 PR 10-JUN-1998; 98US-0088824P.  
 PR 10-JUN-1998; 98US-0088826P.  
 PR 11-JUN-1998; 98US-0088858P.  
 PR 11-JUN-1998; 98US-0088861P.  
 PR 11-JUN-1998; 98US-0088876P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 16-JUN-1998; 98US-0089440P.  
 PR 16-JUN-1998; 98US-0089512P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089532P.  
 PR 17-JUN-1998; 98US-0089538P.  
 PR 17-JUN-1998; 98US-0089538P.  
 PR 17-JUN-1998; 98US-0089599P.  
 PR 17-JUN-1998; 98US-0089600P.  
 PR 17-JUN-1998; 98US-0089633P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 98WO-US000106.  
 PR 08-MAR-1999; 98WO-US005028.  
 PR 02-JUN-1999; 98WO-US012252.  
 PR 15-SEP-1999; 98WO-US021090.  
 PR 15-SEP-1999; 98WO-US021547.  
 PR 30-NOV-1999; 98WO-US028313.  
 PR 01-DEC-1999; 98WO-US028301.  
 PR 01-DEC-1999; 98WO-US028634.  
 PR 16-DEC-1999; 98WO-US030095.  
 PR 20-DEC-1999; 98WO-US030911.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 15-MAY-2000; 2000WO-US013358.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 29-JUN-2001; 2001WO-US021086.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 28-AUG-2001; 2001US-00941992.  
 XX (GETH ) GENENTECH INC.  
 XX PA  
 XX PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
 PI Ferrara N, Fong S, Gerber H, Gerritsen MB, Goddard A, Godowski PJ;  
 PI Grimaldi JC, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NP;  
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
 PI Zhang Z;  
 XX WPI; 2003-155950/15.

XX New secreted and transmembrane PRO polypeptides (e.g. PRO183, PRO184, PRO361 or PRO846) useful as targets for therapeutic intervention in cancers (e.g. lung or breast cancers), or for diagnosing these cancers.  
 XX Claim 12; Fig 266; 647pp; English.  
 XX The invention discloses isolated PRO secreted/transmembrane polypeptides comprising a sequence without signal peptide and the nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a bioactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. The PRO polypeptides or polynucleotides are also useful as pharmaceuticals, diagnostics, biosensors or bioeffectors, for detecting or treating e.g. tumours in mammals, e.g. humans, dogs, cats, cattle, horses, sheep, goats or rabbits as targets for therapeutic intervention in certain cancers (e.g. colon, lung or breast cancers) and diagnostic determination of the presence of these cancers. The PRO polypeptides are also useful as molecular weight markers or for chromosome identification. The PRO genes are useful as hybridisation probes or for screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The sequences presented in ABUS8900-ABUS9046 are the PRO polypeptides of the invention  
 XX Sequence 105 AA;  
 SQ  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54; Indels 0; Gaps 0;  
 Matches 105; Conservative 0; Mismatches 0;  
 Qy 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
 |||||  
 Db 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
 |||||  
 Qy 61 HPGSHKVPFRFRKHKHTCPLNLLCSRPDGRYRCSDMLKNINF 105  
 |||||  
 Db 61 HPGSHKVPFRFRKHKHTCPLNLLCSRPDGRYRCSDMLKNINF 105  
 |||||  
 RESULT 36  
 ABUS2392  
 ID ABUS2392 standard; protein; 105 AA.  
 XX  
 AC ABUS2392;  
 XX  
 DT 16-JUL-2003 (first entry)  
 XX  
 DE Novel human secreted and transmembrane protein PRO1186.  
 XX  
 KW Human; secreted and transmembrane protein; PRO; PRO183; PRO184; PRO185; PRO943; PRO1133; PRO331; PRO1387; PRO363; PRO5723; PRO1114; PRO3301; PRO9940; PRO1181; PRO7170; PRO361; PRO846; bioactive molecule; toxin; radiolabel; antibody; cell death; tissue typing; gene therapy; cytostatic; chromosome mapping; gene mapping; transgenic animal; knockout animal; immunohistochemical staining.  
 KW  
 OS Homo sapiens.  
 XX  
 XX US2003022187-A1.  
 PN  
 PD 30-JAN-2003.  
 XX  
 XX 14-NOV-2001; 2001US-00993667.  
 PF  
 XX 16-JUN-1997; 97US-0049787P.  
 PR 17-OCT-1997; 97US-0062250P.  
 PR 05-NOV-1997; 97WO-US020069.  
 PR 12-NOV-1997; 97US-0065186P.  
 PR 13-NOV-1997; 97US-0065311P.  
 PR 25-FEB-1998; 97US-0066770P.  
 PR 25-FEB-1998; 98US-0075945P.  
 PR 20-MAR-1998; 98US-0078910P.





PR	02-JUL-1998;	98US-0091626P.	PR	01-DEC-1999;	99WO-US028301.	Query Match	100.0%;	Score 589;	DB 6;	Length 105;	
PR	02-JUL-1998;	98US-0091628P.	PR	01-DEC-1999;	99WO-US028334.	Best Local Similarity	100.0%;	Fred. No. 2.5e-54;			
PR	02-JUL-1998;	98US-0091633P.	PR	16-DEC-1999;	99WO-US030095.	Matches 105;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	
PR	02-JUL-1998;	98US-0091646P.	PR	20-DEC-1999;	99WO-US030911.						
PR	02-JUL-1998;	98US-0091673P.	PR	05-JAN-2000;	2000WO-US000219.						
PR	07-JUL-1998;	98US-0091978P.	PR	06-JAN-2000;	2000WO-US000376.						
PR	07-JUL-1998;	98US-0091982P.	PR	11-FEB-2000;	2000WO-US003565.						
PR	09-JUL-1998;	98US-0092182P.	PR	18-FEB-2000;	2000WO-US004341.						
PR	10-JUL-1998;	98US-0092472P.	PR	22-FEB-2000;	2000WO-US004414.						
PR	20-JUL-1998;	98US-0093339P.	PR	24-FEB-2000;	2000WO-US004914.						
PR	30-JUL-1998;	98US-0094651P.	PR	24-FEB-2000;	2000WO-US005004.						
PR	04-AUG-1998;	98US-0095282P.	PR	02-MAR-2000;	2000WO-US005841.						
PR	04-AUG-1998;	98US-0095285P.	PR	10-MAR-2000;	2000WO-US006319.						
PR	04-AUG-1998;	98US-0095301P.	PR	15-MAR-2000;	2000WO-US006884.						
PR	04-AUG-1998;	98US-0095302P.	PR	20-MAR-2000;	2000WO-US007377.						
PR	04-AUG-1998;	98US-0095318P.	PR	30-MAR-2000;	2000WO-US008439.						
PR	04-AUG-1998;	98US-0095321P.	PR	15-MAY-2000;	2000WO-US013358.						
PR	04-AUG-1998;	98US-0095325P.	PR	17-MAY-2000;	2000WO-US013705.						
PR	10-AUG-1998;	98US-0095916P.	PR	22-MAY-2000;	2000WO-US014042.						
PR	10-AUG-1998;	98US-0095929P.	PR	30-MAY-2000;	2000WO-US014941.						
PR	10-AUG-1998;	98US-0096012P.									
PR	11-AUG-1998;	98US-0096143P.									
PR	11-AUG-1998;	98US-0096146P.									
PR	12-AUG-1998;	98US-0096329P.									
PR	17-AUG-1998;	98US-0096757P.									
PR	17-AUG-1998;	98US-0096766P.									
PR	17-AUG-1998;	98US-0096769P.									
PR	17-AUG-1998;	98US-0096773P.									
PR	17-AUG-1998;	98US-0096791P.									
PR	17-AUG-1998;	98US-0096867P.									
PR	17-AUG-1998;	98US-0096891P.									
PR	17-AUG-1998;	98US-0096894P.									
PR	17-AUG-1998;	98US-0096895P.									
PR	17-AUG-1998;	98US-0096897P.									
PR	18-AUG-1998;	98US-0096949P.									
PR	18-AUG-1998;	98US-0096950P.									
PR	18-AUG-1998;	98US-0096959P.									
PR	18-AUG-1998;	98US-0096960P.									
PR	18-AUG-1998;	98US-0097022P.									
PR	19-AUG-1998;	98US-0097141P.									
PR	20-AUG-1998;	98US-0097218P.									
PR	24-AUG-1998;	98US-0097661P.									
PR	26-AUG-1998;	98US-0097952P.									
PR	26-AUG-1998;	98US-0097954P.									
PR	26-AUG-1998;	98US-0097955P.		</							



PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 10-MAR-1999; 99WO-US005190.  
PR 20-APR-1999; 99WO-US0008615.  
PR 14-MAY-1999; 99WO-US010733.  
PR 02-JUN-1999; 99WO-US012252.  
PR 01-SEP-1999; 99WO-US020111.  
PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 29-NOV-1999; 99WO-US028214.  
PR 30-NOV-1999; 99WO-US028313.  
PR 30-NOV-1999; 99WO-US028409.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 02-DEC-1999; 99WO-US028551.  
PR 02-DEC-1999; 99WO-US028564.  
PR 02-DEC-1999; 99WO-US028565.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030999.  
PR 22-DEC-1999; 99WO-US030720.  
PR 30-DEC-1999; 99WO-US031243.  
PR 30-DEC-1999; 99WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US003376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 21-MAR-2000; 2000WO-US007532.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000WO-US0074259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006566.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00806899.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 10-MAY-2001; 2001US-00854280.  
PR 18-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.

PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 08-JUL-2001; 2001WO-US021735.  
PR 19-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 15-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-331925/31.  
DR N-PSDB; ACA04258.  
XX  
XX New secreted and transmembrane nucleic acids and polypeptides, designated  
PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,  
PT cardiac injury, infertility, birth defects, premature aging, AIDS, or  
PT cancer.  
XX  
XX Claim 12; Fig 470; 659pp; English.  
XX  
XX The invention relates to an isolated nucleic acid comprising, or which is  
CC at least 80% identical to, or the full-length coding sequence of, any of  
CC the 275 nucleotide sequences, encoding the corresponding PRO polypeptide  
CC (one of 275 secreted or transmembrane proteins). The nucleic acid further  
CC comprises the full-length coding sequence of the DNA deposited under  
CC American Type Culture Collection (ATCC) accession number in a list given  
CC in the specification. Also included are vectors and host cells for  
CC producing PRO proteins, PRO fusion proteins, anti-PRO antibodies, PRO  
CC extracellular domains and mature sequences, methods of detecting PRO  
CC proteins, methods for stimulating the release of TNF-alpha (tumour  
CC necrosis factor alpha) from human blood, (and the proliferation of, or gene  
CC differentiation of chondrocyte cells, the proliferation of, or gene  
CC expression in pericyte cells, the release or proteoglycans from  
CC cartilage, proliferation of inner ear articular supporting cells, the  
CC proliferation of T-lymphocyte cells, the release of a cytokine from  
CC peripheral blood mononuclear cells (PBMC), or the proliferation of  
CC endothelial cells), a method for modulating the uptake of glucose or free  
CC fatty acid (FFA) by skeletal muscle cells, a method for inhibiting the  
CC binding of A-peptide to factor VIIa, or the differentiation of adipocyte  
CC cells, a method for detecting the presence of any of the nucleotide sequences cited  
CC oligonucleotide probe derived from any of the nucleotide sequences cited  
CC above. The nucleic acids and polypeptides are useful for treating  
CC inflammatory diseases, organ failure, atherosclerosis, cardiac injury,  
CC infertility, birth defects, premature aging, AIDS (acquired  
CC immunodeficiency syndrome), cancer, or diabetic complications. The  
CC nucleic acids are useful as hybridisation probes, in chromosome and gene  
CC mapping, and in generating antisense RNA or DNA. The polypeptides are  
CC useful as pharmaceuticals, diagnostics, biosensors or bioreactors. Both  
CC are useful in tissue typing. The present sequence represents a PRO  
CC protein of the invention  
XX  
XX Sequence 105 AA;  
SQ

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRNMCTPLRGEGEC 60  
D5 |||||  
D5 1 MRGATVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRNMCTPLRGEGEC 60  
Qy 61 HPGSHKVPFRKXKHTCTCLPNLCSRPDPGRYCSMDLKNINF 105  
D5 |||||  
D5 61 HPGSHKVPFRKXKHTCTCLPNLCSRPDPGRYCSMDLKNINF 105

## RESULT 39

ABU92223

ID ABU92223 standard; protein; 105 AA.

XX AC ABU92223;

XX DT 16-JUL-2003 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1186.

XX KW Human; secreted and transmembrane protein; PRO; nootropic;

XX KW neuroprotective; antiparkinsonian; cytosolic; gene therapy;

XX KW chromosome mapping; gene mapping; transgenic animal; knock-out animal;

XX KW neurodegenerative disorder; Parkinson's disease; Alzheimer's disease.

XX OS Homo sapiens.

XX PN US2003017476-A1.

XX PD 23-JAN-2003.

XX PF 20-NOV-2001; 2001US-00989724.

XX PR 16-JUN-1997; 97US-0049787P.

XX PR 17-OCT-1997; 97US-0062250P.

XX PR 05-NOV-1997; 97MO-US020069.

XX PR 12-NOV-1997; 97US-0065188P.

XX PR 13-NOV-1997; 97US-0065311P.

XX PR 24-NOV-1997; 97US-0066770P.

XX PR 25-FEB-1998; 98US-0075945P.

XX PR 20-MAR-1998; 98US-0078910P.

XX PR 28-APR-1998; 98US-0083322P.

XX PR 07-MAY-1998; 98US-0084600P.

XX PR 28-MAY-1998; 98US-0087108P.

XX PR 02-JUN-1998; 98US-0087607P.

XX PR 02-JUN-1998; 98US-0087609P.

XX PR 02-JUN-1998; 98US-0087753P.

XX PR 03-JUN-1998; 98US-0087827P.

XX PR 04-JUN-1998; 98US-0088021P.

XX PR 04-JUN-1998; 98US-0088025P.

XX PR 04-JUN-1998; 98US-0088028P.

XX PR 04-JUN-1998; 98US-0088029P.

XX PR 04-JUN-1998; 98US-0088030P.

XX PR 04-JUN-1998; 98US-0088033P.

XX PR 04-JUN-1998; 98US-0088326P.

XX PR 05-JUN-1998; 98US-0088167P.

XX PR 05-JUN-1998; 98US-0088202P.

XX PR 05-JUN-1998; 98US-0088212P.

XX PR 05-JUN-1998; 98US-0088217P.

XX PR 09-JUN-1998; 98US-0088655P.

XX PR 10-JUN-1998; 98US-0088734P.

XX PR 10-JUN-1998; 98US-0088738P.

XX PR 10-JUN-1998; 98US-0088742P.

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XX PR 11-JUN-1998; 98US-0088858P.

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XX PR 12-JUN-1998; 98US-0088876P.

XX PR 16-JUN-1998; 98US-0089105P.

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XX PR 16-JUN-1998; 98US-0089514P.

XX PR 17-JUN-1998; 98US-0089532P.

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XX PR 17-JUN-1998; 98US-0089598P.

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XX PR 17-JUN-1998; 98US-0089600P.

XX PR 17-JUN-1998; 98US-0089653P.

XX PR 18-JUN-1998; 98US-0089801P.

XX PR 18-JUN-1998; 98US-0089907P.

PR 18-JUN-1998; 98US-0089908P.  
PR 19-JUN-1998; 98US-0089947P.  
PR 19-JUN-1998; 98US-0089948P.  
PR 19-JUN-1998; 98US-0089952P.  
PR 22-JUN-1998; 98US-0090246P.  
PR 22-JUN-1998; 98US-0090252P.  
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PR 23-JUN-1998; 98US-0090349P.  
PR 23-JUN-1998; 98US-0090355P.  
PR 24-JUN-1998; 98US-0090429P.  
PR 24-JUN-1998; 98US-0090431P.  
PR 24-JUN-1998; 98US-0090435P.  
PR 24-JUN-1998; 98US-0090444P.  
PR 24-JUN-1998; 98US-0090445P.  
PR 24-JUN-1998; 98US-0090472P.  
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PR 10-JUL-1998; 98US-0092472P.  
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PR 24-AUG-1998; 98US-0097661P.

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PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 22-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
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PR 20-JUL-1999; 99US-0144758P.
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PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 200WO-US0000219.
PR 06-JAN-2000; 200WO-US000376.
PR 11-FEB-2000; 200WO-US003565.
PR 18-FEB-2000; 200WO-US004341.
PR 22-FEB-2000; 200WO-US004414.
PR 24-FEB-2000; 200WO-US004914.
PR 02-MAR-2000; 200WO-US005841.
PR 10-MAR-2000; 200WO-US006319.
PR 15-MAR-2000; 200WO-US006884.
PR 20-MAR-2000; 200WO-US007377.
PR 30-MAR-2000; 200WO-US008439.
PR 15-MAY-2000; 200WO-US013358.
PR 17-MAY-2000; 200WO-US013705.
PR 22-MAY-2000; 200WO-US014042.
PR 30-MAY-2000; 200WO-US014941.
PR 02-JUN-2000; 200WO-US015264.
PR 23-JUN-2000; 200US-0213637P.
PR 28-JUL-2000; 200WO-US020710.
PR 11-AUG-2000; 200WO-US022031.
PR 23-AUG-2000; 200WO-US023522.
PR 24-AUG-2000; 200WO-US023328.

Query Match 100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEC 60
DB 1 MRGATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSFFPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSFFPDGRYRCSMDLKNINF 105

RESULT 40
ABU10929
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ID ABU10929 standard; protein; 105 AA.
XX AC ABU10929;
XX DT 04-FEB-2003 (first entry)
XX DE Human PRO polypeptide #115.
XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide; toxin;
KW radiolabel; cell death; gene mapping; chromosome mapping;
KW protein electrophoresis; genetic disorder; immunosuppressive; cytostatic;
KW antibacterial.
XX OS Homo sapiens.
XX FN US2002123463-A1.
XX PD 05-SEP-2002.
XX PF 19-NOV-2001; 2001US-00989732.
XX PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 03-JUN-1998; 98US-0087759P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
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PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 05-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
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PR 09-JUN-1998; 98US-0088555P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
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PR 07-OCT-1998; 98WO-US021141.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 16-DEC-1999; 99WO-US028634.  
 PR 20-DEC-1999; 99WO-US030095.  
 PR 06-JAN-2000; 99WO-US030911.  
 PR 06-JAN-2000; 2000WO-US000219.  
 PR 11-FEB-2000; 2000WO-US000376.  
 PR 18-FEB-2000; 2000WO-US003565.  
 PR 22-FEB-2000; 2000WO-US004341.  
 PR 24-FEB-2000; 2000WO-US004414.  
 PR 02-MAR-2000; 2000WO-US004914.  
 PR 02-MAR-2000; 2000WO-US005004.  
 PR 10-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 15-MAY-2000; 2000WO-US013358.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 28-AUG-2001; 2001US-00941992.

(GETH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
 PI Perrazani N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaud JC, Gurney AL, Kljavin IU, Napier MA, Pan J, Paoni NF;  
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
 PI Zhang Z;

DR WPI; 2003-066810/06.  
 DR N-PSDB; ABX17148.

XX Novel secreted and transmembrane polypeptide for modulating biological  
 PT activity of cell expressing the polypeptide, identifying agonists or  
 PT antagonists of polypeptide, and as molecular weight markers.

XX Claim 12; Fig 266; 655pp; English.

XX The invention relates to a secreted and transmembrane polypeptide, termed  
 CC PRO polypeptide, and the polynucleotide encoding it. The polypeptide is  
 CC useful for detecting PRO polypeptides and for linking a bioactive  
 CC molecule to a cell expressing the above polypeptides, where the bioactive  
 CC molecule is a toxin, radiolabel or an antibody. The bioactive material  
 CC causes the death of the cell. The polypeptide is useful for identifying  
 CC agonists or antagonists of the PRO polypeptide, for preparing variants of  
 CC PRO, as a molecular weight marker for protein electrophoresis purposes  
 CC and the PRO polynucleotide is useful for recombinantly expressing those  
 CC markers. The polynucleotide is also useful as a hybridisation probe, in  
 CC chromosome and gene mapping, in generation of antisense RNA and DNA, in  
 CC the preparation of PRO polypeptide, for generating transgenic animals or  
 CC knockout animals which in turn are useful in the development and  
 CC screening of therapeutically useful reagents, to construct hybridisation

CC probes for mapping the gene which encodes PRO and for the genetic  
 CC analysis of individuals with genetic disorders, in gene therapy, for  
 CC chromosome identification, as a chromosome marker and for generating  
 CC probes for PCR, Northern analysis, Southern analysis and Western  
 CC analysis. This sequence represents a human PRO polypeptide of the  
 CC invention  
 XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred.No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MEGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTLGRGESEC 60  
 Db |||||  
 QY 1 MEGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTLGRGESEC 60  
 Db |||||  
 QY 61 HPGSHKVPFFRKXKHTCTCPLNLLCSFPDGRVRCSDMLKNINF 105  
 Db |||||  
 QY 61 HPGSHKVPFFRKXKHTCTCPLNLLCSFPDGRVRCSDMLKNINF 105  
 Db |||||

# RESULT 41

ABUS1681

ID ABUS1681 standard; protein; 105 AA.

XX ABUS1681;

XX 24-JUN-2003 (first entry)

XX Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; gene therapy; PRO; PRO943;  
 KW PRO183; PRO184; PRO185; PRO331; PRO1133; PRO363; PRO5723; PRO1387;  
 KW PRO1114; PRO3301; PRO9940; PRO1181; PRO170; PRO361; PRO846;  
 KW bioactive molecule; toxin; radiolabel; antibody; cell death; cancer;  
 KW autoimmune disease; chromosome mapping; gene mapping; transgenic animal;  
 KW knockout animal; septic shock.

XX Homo sapiens.

XX US2002177164-A1.

XX 28-NOV-2002.

XX 20-NOV-2001; 2001US-00989293.

XX 16-JUN-1997; 97US-0049787P.

PR 17-OCT-1997; 97US-0062250P.

PR 05-NOV-1997; 97WO-US020069.

PR 12-NOV-1997; 97US-0065186P.

PR 13-NOV-1997; 97US-0065311P.

PR 24-NOV-1997; 97US-0056770P.

PR 25-FEB-1998; 98US-0075945P.

PR 20-MAR-1998; 98US-0078910P.

PR 28-APR-1998; 98US-0083322P.

PR 07-MAY-1998; 98US-0084600P.

PR 28-MAY-1998; 98US-0087106P.

PR 02-JUN-1998; 98US-0087607P.

PR 02-JUN-1998; 98US-0087609P.

PR 03-JUN-1998; 98US-0087827P.

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 PR 05-JUN-1998; 98US-0088217P.  
 PR 09-JUN-1998; 98US-0088655P.  
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 PR 17-JUN-1998; 98US-0089598P.  
 PR 17-JUN-1998; 98US-0089599P.  
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 PR 18-JUN-1998; 98US-0089908P.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 98WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 16-DEC-1999; 99WO-US028634.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 05-JAN-2000; 99WO-US030911.  
 PR 06-JAN-2000; 2000WO-US000219.  
 PR 11-FEB-2000; 2000WO-US003376.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006319.  
 PR 20-MAR-2000; 2000WO-US006884.  
 PR 30-MAR-2000; 2000WO-US007377.  
 PR 15-MAY-2000; 2000WO-US013358.

PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 28-AUG-2001; 2001US-00941992.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
 PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;  
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
 PI Zhang Z;  
 XX  
 XX WPI; 2003-370792/35.  
 DR N-PSDB; ACA88452.  
 XX  
 PT New secreted and transmembrane nucleic acids and polypeptides, designated  
 as PRO, useful for the preparation of a medicament for treating a  
 condition that is responsive to the PRO polypeptide. e.g., cancer.  
 PT  
 XX  
 PS Claim 12; Fig 266; 647pp; English.  
 XX  
 CC The invention relates to an isolated nucleic acid encoding a PRO  
 polypeptide. The polypeptide, agonist, antagonist and antibody are useful  
 for the preparation of a medicament for treating a condition that is  
 responsive to the PRO polypeptide. The nucleotide sequence is useful in  
 molecular biology including being used as hybridisation probes, in  
 chromosome and gene mapping and in the generation of anti-sense RNA and  
 DNA. The PRO polypeptides can also be used in the treatment of e.g.  
 cancer, retinal disorders, wound healing and kidney disorders. The  
 CC present sequence represents the amino acid sequence of a human secreted  
 and transmembrane PRO polypeptide of the present invention. Note: The  
 CC sequence data for this patent did not form part of the printed  
 CC specification but was obtained in electronic format directly from USPTO  
 CC at seqdata.uspto.gov/sequence.html?DocID=20020197615  
 XX  
 XX Sequence 105 AA;  
 SQ  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCACISLWRLGRLMCTPLGREGEC 60  
 Db 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCACISLWRLGRLMCTPLGREGEC 60  
 QY 61 HFGSHKVPFFRRKKHHTCPCLFNLLCSRFFPDGGRYRCMDLKNINF 105  
 Db 61 HFGSHKVPFFRRKKHHTCPCLFNLLCSRFFPDGGRYRCMDLKNINF 105  
 RESULT 43  
 ABO34134  
 ID ABO34134 standard; protein; 105 AA.  
 XX  
 AC ABO34134;  
 XX  
 DT 19-SEP-2003 (first entry)  
 XX  
 DE Human PRO186 polypeptide.  
 XX

KW Human; PRO polypeptide; secreted protein; transmembrane protein; biosensor; bioreactor; tumour; cancer; diabetes; ALS; ulcer;  
KW rheumatoid arthritis; amyotrophic lateral sclerosis; cytostatic;  
KW antidiabetic; antiarthritic; antirheumatic; antiulcer.  
OS Homo sapiens.  
XX US2003017981-A1.  
PN 23-JAN-2003.  
PD  
PP  
PX 20-NOV-2001; 2001US-00989728.  
XX 16-JUN-1997; 97US-0043787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US020069.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0065770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078510P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 28-MAY-1998; 98US-0087106P.  
PR 02-JUN-1998; 98US-0087607P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 02-JUN-1998; 98US-0087759P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088025P.  
PR 04-JUN-1998; 98US-0088026P.  
PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088029P.  
PR 04-JUN-1998; 98US-0088030P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088326P.  
PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088742P.  
PR 10-JUN-1998; 98US-0088810P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 10-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088858P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 12-JUN-1998; 98US-0088876P.  
PR 16-JUN-1998; 98US-0089105P.  
PR 16-JUN-1998; 98US-0089440P.  
PR 16-JUN-1998; 98US-0089512P.  
PR 16-JUN-1998; 98US-0089545P.  
PR 17-JUN-1998; 98US-0089532P.  
PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089599P.  
PR 17-JUN-1998; 98US-0089600P.  
PR 18-JUN-1998; 98US-0089601P.  
PR 18-JUN-1998; 98US-0089907P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 19-JUN-1998; 98US-0089947P.  
PR 19-JUN-1998; 98US-0089948P.  
PR 22-JUN-1998; 98US-0089952P.  
PR 22-JUN-1998; 98US-0090246P.  
PR 22-JUN-1998; 98US-0090252P.  
PR 22-JUN-1998; 98US-0090254P.  
PR 23-JUN-1998; 98US-0090349P.  
PR 23-JUN-1998; 98US-0090355P.  
PR 24-JUN-1998; 98US-0090439P.  
PR 24-JUN-1998; 98US-0090431P.

PR 24-JUN-1998; 98US-0090435P.  
PR 24-JUN-1998; 98US-0090444P.  
PR 24-JUN-1998; 98US-0090445P.  
PR 24-JUN-1998; 98US-0090472P.  
PR 24-JUN-1998; 98US-0090535P.  
PR 24-JUN-1998; 98US-0090540P.  
PR 24-JUN-1998; 98US-0090542P.  
PR 24-JUN-1998; 98US-0090557P.  
PR 25-JUN-1998; 98US-0090676P.  
PR 25-JUN-1998; 98US-0090678P.  
PR 25-JUN-1998; 98US-0090690P.  
PR 25-JUN-1998; 98US-0090694P.  
PR 25-JUN-1998; 98US-0090695P.  
PR 26-JUN-1998; 98US-0090696P.  
PR 26-JUN-1998; 98US-0090862P.  
PR 26-JUN-1998; 98US-0090863P.  
PR 01-JUL-1998; 98US-0091360P.  
PR 01-JUL-1998; 98US-0091544P.  
PR 02-JUL-1998; 98US-0091478P.  
PR 02-JUL-1998; 98US-0091519P.  
PR 02-JUL-1998; 98US-0091626P.  
PR 07-JUL-1998; 98US-0091633P.  
PR 07-JUL-1998; 98US-0091882P.  
PR 08-JUL-1998; 98US-0092182P.  
PR 10-JUL-1998; 98US-0092472P.  
PR 20-JUL-1998; 98US-0093339P.  
PR 30-JUL-1998; 98US-0094651P.  
PR 04-AUG-1998; 98US-0095282P.  
PR 04-AUG-1998; 98US-0095285P.  
PR 04-AUG-1998; 98US-0095501P.  
PR 04-AUG-1998; 98US-0095502P.  
PR 04-AUG-1998; 98US-0095518P.  
PR 04-AUG-1998; 98US-0095321P.  
PR 10-AUG-1998; 98US-0095325P.  
PR 10-AUG-1998; 98US-0095916P.  
PR 10-AUG-1998; 98US-0095929P.  
PR 11-AUG-1998; 98US-0096143P.  
PR 12-AUG-1998; 98US-0096146P.  
PR 12-AUG-1998; 98US-0096329P.  
PR 17-AUG-1998; 98US-0096757P.  
PR 17-AUG-1998; 98US-0096766P.  
PR 17-AUG-1998; 98US-0096768P.  
PR 17-AUG-1998; 98US-0096773P.  
PR 17-AUG-1998; 98US-0096791P.  
PR 17-AUG-1998; 98US-0096867P.  
PR 17-AUG-1998; 98US-0096891P.  
PR 17-AUG-1998; 98US-0096894P.  
PR 17-AUG-1998; 98US-0096895P.  
PR 18-AUG-1998; 98US-0096897P.  
PR 18-AUG-1998; 98US-0096949P.  
PR 18-AUG-1998; 98US-0096950P.  
PR 18-AUG-1998; 98US-0096959P.  
PR 18-AUG-1998; 98US-0096960P.  
PR 19-AUG-1998; 98US-0097022P.  
PR 19-AUG-1998; 98US-0097141P.  
PR 20-AUG-1998; 98US-0097218P.  
PR 24-AUG-1998; 98US-0097661P.  
PR 26-AUG-1998; 98US-0097952P.  
PR 26-AUG-1998; 98US-0097954P.  
PR 26-AUG-1998; 98US-0097955P.  
PR 26-AUG-1998; 98US-0097971P.  
PR 26-AUG-1998; 98US-0097974P.  
PR 26-AUG-1998; 98US-0097978P.  
PR 26-AUG-1998; 98US-0097979P.  
PR 26-AUG-1998; 98US-0097986P.  
PR 26-AUG-1998; 98US-0098014P.  
PR 31-AUG-1998; 98US-0098525P.  
PR 16-SEP-1998; 98US-0100634P.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98US-0100858P.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.

cell proliferation stimulator; cell differentiation stimulator;  
cell differentiation inhibitor; cytokine release stimulator; tumour;  
lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
cervical tumour; liver tumour; chromosome mapping; gene mapping;  
gene therapy; chromosome identification; chromosome marker.

KW	cell proliferation stimulator; cell differentiation stimulator;
KW	cell differentiation inhibitor; cytokine release stimulator; tumour;
KW	lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW	cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW	gene therapy; chromosome identification; chromosome marker.
OS	Homo sapiens.
XX	US2003022328-A1.
PN	30-JAN-2003.
PD	16-APR-2002; 2002US-00123904.
XX	31-MAR-1997; 97WO-US005230.
PR	12-JUN-1998; 98WO-US012456.
PR	14-JUL-1998; 98WO-US014552.
PR	28-AUG-1998; 98WO-US017886.
PR	10-SEP-1998; 98WO-US018824.
PR	14-SEP-1998; 98WO-US019094.
PR	14-SEP-1998; 98WO-US019177.
PR	16-SEP-1998; 98WO-US019330.
PR	17-SEP-1998; 98WO-US019437.
PR	07-OCT-1998; 98WO-US021141.
PR	29-OCT-1998; 98WO-US022991.
PR	29-OCT-1998; 98WO-US022992.
PR	20-NOV-1998; 98WO-US024855.
PR	01-DEC-1998; 98WO-US025108.
PR	05-JAN-1999; 98WO-US000106.
PR	08-MAR-1999; 98WO-US005028.
PR	10-MAR-1999; 98WO-US005190.
PR	20-APR-1999; 98WO-US008615.
PR	14-MAY-1999; 98WO-US010733.
PR	02-JUN-1999; 98WO-US012252.
PR	08-SEP-1999; 98WO-US020111.
PR	13-SEP-1999; 98WO-US020944.
PR	15-SEP-1999; 98WO-US021090.
PR	05-OCT-1999; 98WO-US023089.
PR	29-NOV-1999; 98WO-US028214.
PR	30-NOV-1999; 98WO-US028313.
PR	01-DEC-1999; 98WO-US028409.
PR	01-DEC-1999; 98WO-US028301.
PR	01-DEC-1999; 98WO-US028634.
PR	02-DEC-1999; 98WO-US028551.
PR	02-DEC-1999; 98WO-US028564.
PR	16-DEC-1999; 98WO-US028565.
PR	20-DEC-1999; 98WO-US030095.
PR	20-DEC-1999; 98WO-US030911.
PR	22-DEC-1999; 98WO-US030999.
PR	22-DEC-1999; 98WO-US030720.
PR	30-DEC-1999; 98WO-US031243.
PR	30-DEC-1999; 98WO-US031274.
PR	05-JAN-2000; 2000WO-US000219.
PR	06-JAN-2000; 2000WO-US000277.
PR	06-JAN-2000; 2000WO-US000376.
PR	11-FEB-2000; 2000WO-US003565.
PR	18-FEB-2000; 2000WO-US004341.
PR	18-FEB-2000; 2000WO-US004342.
PR	22-FEB-2000; 2000WO-US004414.
PR	24-FEB-2000; 2000WO-US004914.
PR	24-FEB-2000; 2000WO-US005004.
PR	01-MAR-2000; 2000WO-US005601.
PR	02-MAR-2000; 2000WO-US005746.
PR	02-MAR-2000; 2000WO-US005841.
PR	10-MAR-2000; 2000WO-US006319.
PR	15-MAR-2000; 2000WO-US006884.
PR	20-MAR-2000; 2000WO-US007377.
PR	30-MAR-2000; 2000WO-US007532.
PR	17-MAY-2000; 2000WO-US013705.

01-DEC-1998; 98WO-US025108.	Query Match	100.0%;	Score 589;	DB 6;	Length 105;
22-DEC-1998; 98US-0113296P.	Best Local Similarity	100.0%;	Pred. No. 2.5e-54;		
05-JAN-1999; 98WO-US000106.	Matches 105;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
08-MAR-1999; 98WO-US005028.					
12-MAR-1999; 98US-0123957P.					
02-JUN-1999; 98WO-US012252.					
23-JUN-1999; 98US-0141037P.					
07-JUL-1999; 98US-0143048P.					
26-JUL-1999; 98US-0144758P.					
26-JUL-1999; 98US-0145698P.					
17-AUG-1999; 98US-0146222P.					
15-SEP-1999; 98US-0149396P.					
15-SEP-1999; 98WO-US021090.					
15-SEP-1999; 98WO-US021141.					
08-OCT-1999; 98US-0158663P.					
30-NOV-1999; 98WO-US028313.					
01-DEC-1999; 98WO-US028301.					
01-DEC-1999; 98WO-US028634.					
16-DEC-1999; 98WO-US030095.					
20-DEC-1999; 98WO-US030911.					
05-JAN-2000; 2000WO-US000219.					
06-JAN-2000; 2000WO-US000376.					
11-FEB-2000; 2000WO-US003565.					
18-FEB-2000; 2000WO-US004341.					
22-FEB-2000; 2000WO-US004914.					
24-FEB-2000; 2000WO-US005004.					
24-FEB-2000; 2000WO-US005841.					
10-MAR-2000; 2000WO-US006319.					
20-MAR-2000; 2000WO-US006884.					
20-MAR-2000; 2000WO-US007377.					
30-MAR-2000; 2000WO-US008439.					
15-MAY-2000; 2000WO-US013358.					
17-MAY-2000; 2000WO-US013705.					
22-MAY-2000; 2000WO-US014042.					
30-MAY-2000; 2000WO-US014941.					
02-JUN-2000; 2000WO-US015264.					
23-JUN-2000; 2000US-0213637P.					
28-JUL-2000; 2000WO-US020710.					
11-AUG-2000; 2000WO-US022031.					
23-AUG-2000; 2000WO-US023522.					
24-AUG-2000; 2000WO-US023328.					
07-SEP-2000; 2000US-0230978P.					
08-NOV-2000; 2000WO-US030952.					
01-DEC-2000; 2000WO-US032678.					
26-FEB-2001; 2001WO-US006520.					

QY	1	MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC	60
Db	1	MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC	60
QY	61	HPGSHKVPFRKRGKHTCTCLNLLCSRPDPGRYCSMDLNKINF	105
Db	61	HPGSHKVPFRKRGKHTCTCLNLLCSRPDPGRYCSMDLNKINF	105

RESULT 44  
ADA45989  
ID ADA45989 standard; protein; 105 AA.  
XX  
AC ADA45989;  
XX  
DT 20-NOV-2003 (first entry)  
XX  
DE Novel human secreted and transmembrane protein PRO1186.  
XX  
KW Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW glucose uptake modulator; FFA uptake modulator;







RESULT 46  
ABU72310  
ID ABU72310 standard; protein; 105 AA.

XX AC ABU72310;

XX DT 06-NOV-2003 (first entry)

XX DE Human PRO1186 protein.

XX KW PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte;  
XX KW differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.

XX OS Homo sapiens.

XX PN US2003050448-A1.

XX PD 13-MAR-2003.

XX PF 28-AUG-2002; 2002US-00230414.

XX PR 01-JUN-2001; 2001WO-US017800.

XX PR 29-JUN-2001; 2001WO-US021066.

XX PR 09-APR-2002; 2002US-00119480.

XX PA (GETH ) GENENTECH INC.

XX PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski FJ;  
XX PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;

XX DR WPI; 2003-521818/49.

XX DE N-PSDB; ABT44308.

XX PT New nucleic acid encoding for a PRO protein, useful for the manufacture  
XX PT of a medicament for diagnosing or treating tumors or for measuring or  
XX PT detecting expression of an associated gene.

XX PS Claim 11; Fig 166; 315pp; English.

XX CC The invention relates to a novel isolated nucleic acid encoding a fully  
XX CC defined PRO polypeptide. The molecules of the invention may be useful for  
XX CC stimulating proliferation or gene expression in pericyte cells or the  
XX CC release of TNF-alpha from human blood. Other possible uses include the  
XX CC stimulation or inhibition of chondrocyte proliferation or  
XX CC differentiation, the stimulation of human dermal fibroblast cell  
XX CC proliferation and the detection of the presence of a tumour within a  
XX CC mammal. Furthermore, the nucleic acid may be useful for the manufacture  
XX CC of a medicament for diagnosing or treating a tumour within a mammal or  
XX CC for measuring or detecting the expression of an associated gene, as well  
XX CC as during gene therapy. The current sequence is that of the human PRO  
XX CC protein of the invention

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVDCAVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGRGEEC 60

Db 1 MRGATRVSIMLLVTVDCAVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGRGEEC 60

Qy 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPGRYCSMDLKNINF 105

Db 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPGRYCSMDLKNINF 105

RESULT 47

ADA19070

ID ADA19070 standard; protein; 105 AA.

XX

AC ADA19070;  
XX DT 20-NOV-2003 (first entry)  
XX DE Human PRO polypeptide #235.  
XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
XX KW tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell; lung;  
XX KW colon; breast; prostate; rectum; cervix; liver; tumour; cancer;  
XX KW glucose uptake; FFA; adipocyte cell; pericyte cell; proteoglycan;  
XX KW cartilage; inner ear utricular supporting cell; cytokine; A-peptide;  
XX KW factor VIIA; endothelial cell.  
XX OS Homo sapiens.  
XX PN US2003054517-A1.  
XX PD 20-MAR-2003.  
XX PF 08-MAY-2002; 2002US-00141755.  
XX PR 31-MAR-1997; 97WO-US005230.  
XX PR 12-JUN-1998; 98WO-US012456.  
XX PR 14-JUL-1998; 98WO-US014552.  
XX PR 28-AUG-1998; 98WO-US017888.  
XX PR 10-SEP-1998; 98WO-US018824.  
XX PR 14-SEP-1998; 98WO-US019093.  
XX PR 14-SEP-1998; 98WO-US019094.  
XX PR 14-SEP-1998; 98WO-US019177.  
XX PR 16-SEP-1998; 98WO-US019330.  
XX PR 17-SEP-1998; 98WO-US019437.  
XX PR 07-OCT-1998; 98WO-US021141.  
XX PR 29-OCT-1998; 98WO-US022981.  
XX PR 29-OCT-1998; 98WO-US022992.  
XX PR 20-NOV-1998; 98WO-US024855.  
XX PR 01-DEC-1998; 98WO-US025108.  
XX PR 05-JAN-1999; 98WO-US000106.  
XX PR 08-MAR-1999; 98WO-US005028.  
XX PR 10-MAR-1999; 98WO-US005190.  
XX PR 20-APR-1999; 98WO-US008615.  
XX PR 14-MAY-1999; 98WO-US010733.  
XX PR 02-JUN-1999; 98WO-US012252.  
XX PR 01-SEP-1999; 98WO-US020111.  
XX PR 08-SEP-1999; 98WO-US020594.  
XX PR 13-SEP-1999; 98WO-US020944.  
XX PR 15-SEP-1999; 98WO-US021090.  
XX PR 15-SEP-1999; 98WO-US021547.  
XX PR 05-OCT-1999; 98WO-US023089.  
XX PR 29-NOV-1999; 98WO-US028214.  
XX PR 30-NOV-1999; 98WO-US028313.  
XX PR 30-NOV-1999; 98WO-US028409.  
XX PR 01-DEC-1999; 98WO-US028301.  
XX PR 01-DEC-1999; 98WO-US028634.  
XX PR 02-DEC-1999; 98WO-US028551.  
XX PR 02-DEC-1999; 98WO-US028564.  
XX PR 02-DEC-1999; 98WO-US028565.  
XX PR 16-DEC-1999; 98WO-US030095.  
XX PR 20-DEC-1999; 98WO-US030911.  
XX PR 20-DEC-1999; 98WO-US030999.  
XX PR 22-DEC-1999; 98WO-US030720.  
XX PR 30-DEC-1999; 98WO-US031243.  
XX PR 30-DEC-1999; 98WO-US031274.  
XX PR 05-JAN-2000; 2000WO-US000219.  
XX PR 06-JAN-2000; 2000WO-US000277.  
XX PR 11-FEB-2000; 2000WO-US000376.  
XX PR 18-FEB-2000; 2000WO-US003565.  
XX PR 18-FEB-2000; 2000WO-US004341.  
XX PR 18-FEB-2000; 2000WO-US004342.  
XX PR 22-FEB-2000; 2000WO-US004414.  
XX PR 24-FEB-2000; 2000WO-US004914.  
XX PR 24-FEB-2000; 2000WO-US005004.  
XX PR 01-MAR-2000; 2000WO-US005601.  
XX PR 02-MAR-2000; 2000WO-US005746.

02-MAR-2000; 2000WO-US005841.  
 10-MAR-2000; 2000WO-US006319.  
 15-MAR-2000; 2000WO-US006884.  
 20-MAR-2000; 2000WO-US007377.  
 21-MAR-2000; 2000WO-US007532.  
 30-MAR-2000; 2000WO-US008439.  
 17-MAY-2000; 2000WO-US013705.  
 22-MAY-2000; 2000WO-US014042.  
 30-MAY-2000; 2000WO-US014941.  
 02-JUN-2000; 2000WO-US015264.  
 28-JUL-2000; 2000WO-US020710.  
 11-AUG-2000; 2000WO-US022031.  
 23-AUG-2000; 2000WO-US023522.  
 24-AUG-2000; 2000WO-US023328.  
 08-NOV-2000; 2000WO-US030952.  
 10-NOV-2000; 2000WO-US030873.  
 01-DEC-2000; 2000WO-US032678.  
 20-DEC-2000; 2000US-00747259.  
 20-DEC-2000; 2000WO-US034956.  
 28-FEB-2001; 2001US-00796498.  
 28-FEB-2001; 2001WO-US006520.  
 01-MAR-2001; 2001WO-US006656.  
 09-MAR-2001; 2001US-00802706.  
 14-MAR-2001; 2001US-00808689.  
 22-MAR-2001; 2001US-00816744.  
 05-APR-2001; 2001US-00828366.  
 10-MAY-2001; 2001US-00854208.  
 10-MAY-2001; 2001US-00854280.  
 18-MAY-2001; 2001US-00860216.  
 25-MAY-2001; 2001US-00866028.  
 25-MAY-2001; 2001US-00866034.  
 25-MAY-2001; 2001WO-US017092.  
 01-JUN-2001; 2001US-00872035.  
 01-JUN-2001; 2001WO-US017800.  
 05-JUN-2001; 2001US-00874503.  
 14-JUN-2001; 2001US-00882636.  
 19-JUN-2001; 2001US-00886342.  
 20-JUN-2001; 2001US-00886342.  
 21-JUN-2001; 2001US-00887879.  
 22-JUN-2001; 2001WO-US020116.  
 29-JUN-2001; 2001WO-US021066.  
 09-JUL-2001; 2001WO-US021735.  
 18-JUL-2001; 2001US-00908827.  
 06-AUG-2001; 2001US-00924419.  
 09-AUG-2001; 2001US-00927796.  
 16-AUG-2001; 2001US-00931836.  
 19-DEC-2001; 2001US-00028072.  
 (GETH ) GENENTECH INC.

Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W, Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S, Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z; WPI; 2003-521854/49.  
 N-PSDB; ADA19069.

New PRO nucleic acid, useful for preparing a composition for treating e.g., tumors.

Claim 12; Fig 470; 660pp; English.

The invention relates to isolated human PRO polypeptides (secreted and transmembrane polypeptides) and the polynucleotides encoding them. The invention also relates to an antibody which specifically binds to a PRO polypeptide, a method for stimulating the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. lung, colon, breast, prostate, rectal, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO

CC polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for modulating the uptake of glucose or FFA by adipocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the release of cytokines from BMC cells, for inhibiting the binding of A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte cells and for stimulating the proliferation of endothelial cells. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGREGEEC 60  
 DB 1 MGRATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGREGEEC 60

QY 61 HPGSHKVPFFRRKHHTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKHHTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 48  
 ADA61693  
 ID ADA61693 standard; protein; 105 AA.  
 XX AC ADA61693;  
 XX 20-NOV-2003 (first entry)  
 XX DE Homo sapiens.  
 XX KW Human; secreted and transmembrane protein; PRO;  
 KW Tumour necrosis factor alpha release; TNF-alpha release;  
 KW glucose uptake modulator; FFA uptake modulator;  
 KW cell proliferation stimulator; cell differentiation stimulator;  
 KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
 KW lung tumours; colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.  
 XX OS Novel.  
 OS human.  
 OS secreted.  
 OS and.  
 OS transmembrane.  
 OS Protein.  
 OS PRO1186.  
 XX XX US2003049816-A1.  
 XX PD 13-MAR-2003.  
 XX PF 15-APR-2002; 2002US-00123262.  
 XX PR 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019177.

PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022991.  
PR 29-OCT-1998; 98WO-US022992.  
PR 20-NOV-1998; 98WO-US024855.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 98WO-US000106.  
PR 08-MAR-1999; 98WO-US005028.  
PR 10-MAR-1999; 98WO-US005130.  
PR 20-APR-1999; 98WO-US008615.  
PR 14-MAY-1999; 98WO-US010733.  
PR 02-JUN-1999; 98WO-US012232.  
PR 01-SEP-1999; 98WO-US020111.  
PR 08-SEP-1999; 98WO-US020594.  
PR 13-SEP-1999; 98WO-US020944.  
PR 15-SEP-1999; 98WO-US021090.  
PR 15-SEP-1999; 98WO-US021547.  
PR 05-OCT-1999; 98WO-US023089.  
PR 29-NOV-1999; 98WO-US028214.  
PR 30-NOV-1999; 98WO-US028313.  
PR 30-NOV-1999; 98WO-US028409.  
PR 01-DEC-1999; 98WO-US028301.  
PR 01-DEC-1999; 98WO-US028634.  
PR 02-DEC-1999; 98WO-US028551.  
PR 02-DEC-1999; 98WO-US028564.  
PR 02-DEC-1999; 98WO-US028585.  
PR 16-DEC-1999; 98WO-US030095.  
PR 20-DEC-1999; 98WO-US030911.  
PR 20-DEC-1999; 98WO-US030999.  
PR 22-DEC-1999; 98WO-US030720.  
PR 30-DEC-1999; 98WO-US031243.  
PR 30-DEC-1999; 98WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003585.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004314.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 10-MAR-2000; 2000WO-US005841.  
PR 15-MAR-2000; 2000WO-US006319.  
PR 20-MAR-2000; 2000WO-US006384.  
PR 21-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US007532.  
PR 17-MAY-2000; 2000WO-US008439.  
PR 22-MAY-2000; 2000WO-US013705.  
PR 30-MAY-2000; 2000WO-US014042.  
PR 02-JUN-2000; 2000WO-US014941.  
PR 28-JUL-2000; 2000WO-US015264.  
PR 11-AUG-2000; 2000WO-US020710.  
PR 23-AUG-2000; 2000WO-US022031.  
PR 24-AUG-2000; 2000WO-US023322.  
PR 08-NOV-2000; 2000WO-US023328.  
PR 10-NOV-2000; 2000WO-US030952.  
PR 01-DEC-2000; 2000WO-US030873.  
PR 20-DEC-2000; 2000WO-US032578.  
PR 20-DEC-2000; 2000WO-US047259.  
PR 28-FEB-2001; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 01-MAR-2001; 2001WO-US006520.  
PR 09-MAR-2001; 2001WO-US006666.  
PR 14-MAR-2001; 2001US-00802706.  
PR 22-MAR-2001; 2001US-00808689.  
PR 05-APR-2001; 2001US-00816744.  
PR 10-MAY-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 18-MAY-2001; 2001US-00854280.  
PR 18-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX  
PA (GETH ) GENENTECH INC.  
XX  
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
PI Garritsen WE, Goddard A, Godowski P, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
DR WPI; 2003-695892/66.  
DR N-PSDB; ADA61692.  
XX  
PT New PRO nucleic acid and encode polypeptides, are useful for  
PT manufacturing a medicament for diagnosing or treating cancer.  
XX  
PS Claim 12; Fig 470; 660pp; English.  
XX  
CC The invention describes 305 nucleic acids encoding PRO (secreted and  
CC transmembrane) polypeptides (I). (I) is useful for stimulating the  
CC release of TNF-alpha from human blood, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating the proliferation or differentiation of chondrocyte cells,  
CC for stimulating the proliferation of or gene expression in pericyte  
CC cells, for stimulating the release of proteoglycans from cartilage, for  
CC stimulating the proliferation of inner ear utricular supporting cells,  
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating  
CC the release of a cytokine from PMNC cells, for inhibiting the binding of  
CC a-peptide to factor VIIa, for inhibiting the differentiation of adipocyte  
CC cells, for stimulating proliferation of endothelial cells, for detecting  
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,  
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
CC are useful for isolating genomic and cDNA nucleotide sequences or  
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
CC in assays to identify other proteins or molecules involved in binding  
CC and gene mapping. A polynucleotide (II) encoding (I) is useful in chromosome  
CC preparation of PRO polypeptide, for generating transgenic animals or  
CC knockout animals which in turn are useful in the development and  
CC screening of therapeutically useful reagents, in gene therapy, for  
CC chromosome identification, as chromosome marker, and for generating  
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
CC detecting its expression in specific cells, tissues or serum, and for  
CC affinity purification of PRO from recombinant cell culture or natural  
CC sources. (I) and (II) are useful for tissue typing. This is the amino  
CC acid sequence of a novel human secreted and transmembrane PRO  
CC polypeptide.  
XX  
SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 MEGATRVSIMLLLVTSVCVITGACRDVOCGAGTCATSLTGLRMCTPLGRGEEC 60  
DB 1 MEGATRVSIMLLLVTSVCVITGACRDVOCGAGTCATSLTGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFKRRKHTCTCLPNLLCSRRFPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFKRRKHTCTCLPNLLCSRRFPDGRYRCMDLKNINF 105  
RESULT 49  
ADB19478  
ID ADB19478 standard; protein; 105 AA.  
XX AC ADB19478;  
XX DT 20-NOV-2003 (first entry)  
XX DE Novel human secreted and transmembrane protein PRO1186.  
XX KW Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW Glucose uptake modulator; FFA uptake modulator;  
KW cell proliferation stimulator; cell differentiation stimulator;  
KW cell differentiation inhibitor; cytokine release.  
XX OS Homo sapiens.  
XX US2003068796-A1.  
XX PD 10-APR-2003.  
XX PF 15-APR-2002; 2002US-00123261.  
XX 31-MAR-1997; 97WO-US005230.  
PR 12-JUN-1998; 98WO-US012456.  
PR 14-JUL-1998; 98WO-US014552.  
PR 28-AUG-1998; 98WO-US017888.  
PR 10-SEP-1998; 98WO-US018844.  
PR 14-SEP-1998; 98WO-US019093.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022991.  
PR 29-OCT-1998; 98WO-US022992.  
PR 20-NOV-1998; 98WO-US024855.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 98WO-US000106.  
PR 08-MAR-1999; 98WO-US005028.  
PR 20-APR-1999; 98WO-US005190.  
PR 20-APR-1999; 98WO-US008615.  
PR 14-MAY-1999; 98WO-US010733.  
PR 02-JUN-1999; 98WO-US012252.  
PR 01-SEP-1999; 98WO-US020111.  
PR 08-SEP-1999; 98WO-US020594.  
PR 13-SEP-1999; 98WO-US020944.  
PR 15-SEP-1999; 98WO-US021090.  
PR 15-SEP-1999; 98WO-US021547.  
PR 05-OCT-1999; 98WO-US023089.  
PR 29-NOV-1999; 98WO-US028214.  
PR 30-NOV-1999; 98WO-US028313.  
PR 30-NOV-1999; 98WO-US028409.  
PR 01-DEC-1999; 98WO-US028301.  
PR 01-DEC-1999; 98WO-US028634.  
PR 02-DEC-1999; 98WO-US028551.  
PR 02-DEC-1999; 98WO-US028554.  
PR 16-DEC-1999; 98WO-US030095.  
PR 20-DEC-1999; 98WO-US030911.  
PR 20-DEC-1999; 98WO-US030999.  
PR 22-DEC-1999; 98WO-US030720.  
PR 30-DEC-1999; 98WO-US031243.  
PR 05-JAN-2000; 98WO-US031274.  
PR 06-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.

PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006884.  
PR 15-MAR-2000; 2000WO-US007377.  
PR 21-MAR-2000; 2000WO-US007532.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006666.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 18-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski P, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-695927/66.  
XX N-PSDB; ADB19477.  
XX Novel secreted and transmembrane PRO polypeptides useful for stimulating  
XX the release of tumor necrosis factor alpha and detecting the presence of  
XX a tumor in a mammal.  
XX Claim 12; Fig 470; 660pp; English.  
XX The invention describes 305 nucleic acids encoding PRO (secreted and  
XX transmembrane) polypeptides (I). (I) is useful for stimulating the





01-DEC-2000; 2000WO-US032678.  
19-DEC-2001; 2001US-00028072.  
(GETH ) GENENTECH INC.

Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
WPI; 2003-786914/74.  
N-PSDB; ADA86497.

New PRO nucleic acid, useful for preparing a composition for treating  
e.g., tumor or for tissue typing.

Claim 12; Fig 470; 637pp; English.

The invention describes 305 nucleic acids encoding PRO (secreted and  
transmembrane) polypeptides (I) (I) is useful for stimulating the  
release of TNF-alpha from human blood, for modulating the uptake of  
glucose or FFA by skeletal muscle cells or adipocyte cells, for  
stimulating the proliferation or differentiation of chondrocyte cells,  
for stimulating the release of proteoglycans from cartilage, for  
cells, for stimulating the proliferation of inner ear utricular supporting cells,  
for stimulating the proliferation of T-lymphocyte cells, for stimulating  
the release of a cytokine from PMSC cells, for inhibiting the binding of  
A-peptide to factor VIIA, for inhibiting the proliferation of adipocyte  
cells, for stimulating proliferation of endothelial cells, for detecting  
the presence of tumour in a mammal. The tumour is lung, colon, breast,  
prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
are useful for isolating genomic and cDNA nucleotide sequences or  
antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
in assays to identify other proteins or molecules involved in binding  
interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
and gene mapping, in generation of antisense RNA and DNA, in the  
preparation of PRO polypeptide, for generating transgenic animals or  
knockout animals which in turn are useful in the development and  
screening of therapeutically useful reagents, in gene therapy, for  
chromosome identification, as chromosome marker, and for generating  
probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
detecting its expression in specific cells, tissues or serum, and for  
affinity purification of PRO from recombinant cell culture or natural  
sources. (I) and (II) are useful for tissue typing. This is the amino  
acid sequence of a novel human secreted and transmembrane PRO  
polypeptide.

XX Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGAATRVSMLLVTVSCAVITGACERDVCGAGTCACISLWRLGLMCTPLRGEGEC 60  
DB 1 MGAATRVSMLLVTVSCAVITGACERDVCGAGTCACISLWRLGLMCTPLRGEGEC 60  
QY 61 HPGSHKVPFRKRKHHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFRKRKHHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 52  
ADB16062  
ID ADB16062 standard; protein; 105 AA.  
XX ADB16062;  
XX ADB16062;  
DT 20-NOV-2003 (first entry)  
XX Human PRO polypeptide #235.  
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
KW

tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
liver; microvascular endothelial cell; glucose; FFA;  
skeletal muscle cell; adipocyte cell; pericyte cell;  
inner ear utricular supporting cell; T-lymphocyte cell;  
endothelial cell tube formation; bone disorder; cartilage disorder;  
sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
immune system cell infiltration.

Homo sapiens.  
US2003087350-A1.  
08-MAY-2003.  
22-APR-2002; 2002US-00127821.  
04-AUG-1998; 98US-0095301P.  
02-JUN-1999; 99WO-US012252.  
25-AUG-1999; 99US-00380137.  
30-MAR-2000; 2000WO-US008439.  
01-DEC-2000; 2000WO-US032678.  
19-DEC-2001; 2001US-00028072.  
(GETH ) GENENTECH INC.

Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
WPI; 2003-786914/74.  
N-PSDB; ADB16061.

New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,  
and for manufacturing a medicament for diagnosing or treating tumor.

Claim 12; Fig 470; 637pp; English.

The invention relates to isolated human PRO polypeptides (secreted and  
transmembrane polypeptides) and the polynucleotides encoding them. The  
invention also relates to an antibody which specifically binds to a PRO  
polypeptide, a method for stimulating the release of tumour necrosis  
factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
proliferation or differentiation of chondrocyte cells and a method for  
detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
polynucleotides are useful in molecular biology, including uses as  
hybridisation probes, in chromosome and gene mapping, in generating  
antisense RNA and DNA and in gene therapy. The polynucleotides may also  
be used in preparing PRO polypeptides by recombinant techniques and in  
generating either transgenic animals or knock-out animals which are  
useful in the development and screening of therapeutically useful  
reagents. The PRO polypeptides or antibodies are used in preparing a  
medicament for treating a condition responsive to the polypeptides or  
antibodies, such as tumours, for stimulating and inhibiting proliferation  
of human microvascular endothelial cells, for modulating the uptake of  
glucose or FFA by skeletal muscle cells or adipocyte cells, for  
stimulating differentiation of adipocyte cells, for stimulating  
proliferation of or gene expression in pericyte cells, for stimulating  
the proliferation of inner ear utricular supporting cells or T-lymphocyte  
cells, for inducing endothelial cell tube formation and for treating  
various bone and/or cartilage disorders such as sports injuries and  
arthritis. PRO polypeptides which stimulate the release of proteoglycans  
from cartilage are useful for treating sports-related joint problems,  
articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
polypeptides are also useful for treating various mammalian haemoglobin-  
associated disorders such as various thalassaemias and conditions which  
may benefit from enhanced local immune system cell infiltration. This  
sequence represents a human PRO polypeptide of the invention. Note: The  
sequence data for this patent is also available in electronic format from  
USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).



```
SQ Sequence 105 AA;
Query Match      100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGGAGTCCCAISLWLRGIRMCCTPLGRGEEC 60
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGGAGTCCCAISLWLRGIRMCCTPLGRGEEC 60

QY 61 HPGSHKVPFFRRKXHTTCCPLNLLCSFFPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKXHTTCCPLNLLCSFFPDGRYRCSMDLKNINF 105

RESULT 53
ADA37882
ID ADA37882 standard; protein; 105 AA.
XX
AC ADA37882;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human secreted/transmembrane protein PRO1186.
XX
KW PRO; secreted protein; transmembrane protein;
KW hypertrophy of neonatal heart; angiogenesis;
KW vascular endothelial growth factor; VEGF-stimulated proliferation;
KW endothelial cell; T-lymphocyte proliferation; retinal neuron;
KW c-fos induction; adipocyte cell; chondrocyte differentiation;
KW pancreatic beta-cell precursor differentiation; gene therapy; tumour;
KW cancer; human; colon cancer; lung cancer; breast cancer;
KW rod photoreceptor cell.
XX
OS Homo sapiens.
XX
PN US2003008297-A1.
XX
PD 09-JAN-2003.
XX
PF 15-NOV-2001; 2001US-00997653.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0065770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088036P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
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PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 16-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000213.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003563.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 29-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023222.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
XX (GETH ) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Klijavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
XX WPI; 2003-531419/50.
DR N-PSDB; ADA37881.
```

XX New isolated PRO183, PRO184, PRO361 or PRO846 nucleic acid and secreted  
 PT transmembrane polypeptides, useful as targets for the diagnosis and  
 PT treatment of cancers, such as lung and breast cancers.  
 XX  
 PS Claim 12; Fig 266; 660pp; English.  
 XX  
 CC The invention relates to an isolated nucleic acid molecule comprising the  
 CC full-length coding sequence of the DNA ATCC Accession Numbers given in  
 CC the specification, or comprising a sequence with at least 80% identity  
 CC to: (a) a nucleotide encoding any of 147 PRO polypeptides, or an  
 CC extracellular domain of the polypeptide; or (b) any of 147 nucleotide  
 CC sequences fully defined in the specification. Also included are the PRO  
 CC proteins (or their extracellular domains) with or without their associated  
 CC extracellular domains), expression vectors, host cells, PRO chimeric  
 CC proteins, anti-PRO antibodies, methods of detecting polypeptide in a  
 CC sample, methods of linking a bioactive molecule to a cell expressing a  
 CC polypeptide and methods of modulating at least one biological activity of  
 CC a cell expressing the polypeptide. The PRO polypeptides or  
 CC polynucleotides are useful as pharmaceuticals, diagnostics, biosensors or  
 CC bioeffectors. These are useful for stimulating hypertrophy of neonatal  
 CC heart, promoting angiogenesis, inhibiting vascular endothelial growth  
 CC factor (VEGF)-stimulated proliferation of endothelial cells, modulating  
 CC the proliferation of stimulated T-lymphocytes, enhancing the survival or  
 CC proliferation of retinal neurons or rod photoreceptor cells, inducing c-  
 CC fos in endothelial cells, modulating glucose or FFA uptake by adipocyte  
 CC cells, inducing proliferation and/or re-differentiation of chondrocytes,  
 CC or inducing pancreatic beta-cell precursor differentiation. In  
 CC particular, these are useful for detecting or treating tumours and  
 CC certain cancers (colon, lung or breast cancers) in mammals, e.g. humans,  
 CC dogs, cats, cattle, horses, sheep, pigs, goats, or rabbits. The PRO genes  
 CC may also be used in gene therapy, particularly for replacing a defective  
 CC gene. The present sequence represents a PRO protein.  
 XX  
 SX Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MEGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 DB 1 MEGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 QY 61 HPGSHKVPFFRKHKHTCPCLNLLCSFPDGRVRCSDMLKNI 105  
 DB 61 HPGSHKVPFFRKHKHTCPCLNLLCSFPDGRVRCSDMLKNI 105  
 RESULT 54  
 ADA47848  
 ID ADA47848 standard; protein; 105 AA.  
 AC ADA47848;  
 XX  
 XX 20-NOV-2003 (first entry)  
 DT  
 DE Human PRO polypeptide #235.  
 XX  
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003073215-A1.

XX 17-APR-2003.  
 XX 07-MAY-2002; 2002US-00140925.  
 XX  
 PR 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 14-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019177.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 29-OCT-1998; 98WO-US022991.  
 PR 29-OCT-1998; 98WO-US022992.  
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 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
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 PR 20-APR-1999; 99WO-US008615.  
 PR 14-MAY-1999; 99WO-US010733.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 08-SEP-1999; 99WO-US020594.  
 PR 13-SEP-1999; 99WO-US020944.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 05-OCT-1999; 99WO-US023089.  
 PR 29-NOV-1999; 99WO-US028214.  
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 PR 30-NOV-1999; 99WO-US028409.  
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 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
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 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
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 PR 30-DEC-1999; 99WO-US030720.  
 PR 30-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 25-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US020311.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.

PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001US-00066666.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 10-MAY-2001; 2001US-00854280.  
PR 18-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001US-00921066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX  
PA (GETH ) GENENTECH INC.  
XX  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
PI Geritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WL, Zhang Z;  
XX  
DR WPI; 2003-644801/61.  
DR N-PSDB; ADA47847.  
XX  
XX New secreted and transmembrane PRO polypeptides and nucleic acids, useful  
PT in gene therapy, detecting the presence of tumor in a mammal, or  
PT modulating the uptake of glucose or free fatty acid by skeletal muscle  
PT cells or adipocyte cells.  
XX  
PS Claim 12; Fig 470; 659pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the polynucleotides encoding them. The  
CC invention also relates to an antibody which specifically binds to a PRO  
CC polypeptide, a method for stimulating the release of tumour necrosis  
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
CC proliferation or differentiation of chondrocyte cells and a method for  
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
CC polynucleotides are useful in molecular biology, including uses as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
CC be used in preparing PRO polypeptides by recombinant techniques and in  
CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating differentiation of adipocyte cells, for stimulating  
CC the proliferation of or gene expression in pericyte cells, for stimulating  
CC the proliferation of inner ear uricular supporting cells or T-lymphocyte  
CC cells, for inducing endothelial cell tube formation and for treating  
CC various bone and/or cartilage disorders such as sports injuries and  
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans

CC from cartilage are useful for treating sports-related joint problems, PRO  
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
CC polypeptides are also useful for treating various mammalian haemoglobin-  
CC associated disorders such as various thalassemias and conditions which  
CC may benefit from enhanced local immune system cell infiltration. This  
CC sequence represents a human PRO polypeptide of the invention. Note: The  
CC sequence data for this patent is also available in electronic format from  
CC USPTO at seqdata.uspto.gov/sequence.html.  
XX  
SQ Sequence 105 AA;  
  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLRMCTPLGREGEC 60  
Db 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLRMCTPLGREGEC 60  
Qy 61 HPGSHKVPFFRKXKHTCTCLNLLCSRPDGRYCSMDLKINF 105  
Db 61 HPGSHKVPFFRKXKHTCTCLNLLCSRPDGRYCSMDLKINF 105  
  
RESULT 55  
ADA21568  
ID ADA21568 standard; protein; 105 AA.  
XX  
AC ADA21568;  
XX  
DT 20-NOV-2003 (first entry)  
XX  
DE Human secreted/transmembrane polypeptide PRO1186.  
XX  
KW human; tumour; cancer; colorectal cancer; Gene therapy;  
KW chondrocyte differentiation; VEGF inhibition;  
KW vascular endothelial growth factor; Alzheimer's disease;  
KW Parkinson's disease; atherosclerosis; cystic fibrosis;  
KW multiple sclerosis; ovarian cancer; tissue typing.  
XX  
OS Homo sapiens.  
XX  
PN US2003054404-A1.  
XX  
PD 20-MAR-2003.  
XX  
PF 15-NOV-2001; 2001US-00997601.  
XX  
PR 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 03-NOV-1997; 97WO-US020069.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 20-MAY-1998; 98US-0087106P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 02-JUN-1998; 98US-0087759P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088023P.  
PR 04-JUN-1998; 98US-0088026P.  
PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088029P.  
PR 04-JUN-1998; 98US-0088030P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088328P.  
PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.



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PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.

Query Match      100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MCGATVSVMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
Db      1 MCGATVSVMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60

QY      61 HPGSHKVPFRKKHHTCFLPNLLCSRFPPDGRYCSMDLKNINF 105
Db      61 HPGSHKVPFRKKHHTCFLPNLLCSRFPPDGRYCSMDLKNINF 105

RESULT 56
ADAL0355
ID ADAL0355 standard; protein; 105 AA.
XX
AC ADAL0355;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human secreted/transmembrane protein, PRO1186.
XX
KW PRO; secreted protein; transmembrane protein; human; septic shock;
KW immunogen.
XX
OS Homo sapiens.
XX
PN US2003059831-A1.
XX
PD 27-MAR-2003.
XX
PF 19-NOV-2001; 2001US-00989729.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0068770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 02-JUN-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
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Best Local Similarity 100.0%; Pred. No. 2.5e-54;
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Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRLMCTPLGREGSEC 60
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Db 61 HPGSHKVPFFRRKRGHTCPCLNLLCSRPPDGRYRCMDLKNINF 105
RESULT 57
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ID ADA67643 standard; protein; 105 AA.
XX AC ADA67643;
XX DT 20-NOV-2003 (first entry)
XX DE Human PRO polypeptide #235.
XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
tumour necrosis factor-alpha; INF-alpha; chondrocyte cell; tumour;
cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
liver; microvascular endothelial cell; Glucose; FFA;
skeletal muscle cell; adipocyte cell; pericyte cell;
inner ear utricular supporting cell; T-lymphocyte cell;
endothelial cell tube formation; bone disorder; cartilage disorder;
sports injury; proteoglycan, articular cartilage defect; osteoarthritis;
rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
immune system cell infiltration.
OS Homo sapiens.
XX US2003068795-A1.
XX 10-APR-2003.
XX 15-APR-2002; 2002US-00123236.
XX 31-MAR-1997; 97WO-US005230.
XX 12-JUN-1998; 98WO-US012456.
XX 14-JUL-1998; 98WO-US014552.
XX 28-AUG-1998; 98WO-US017888.
XX 10-SEP-1998; 98WO-US018824.
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XX 29-OCT-1998; 98WO-US022992.
XX 20-NOV-1998; 98WO-US024855.
XX 01-DEC-1998; 98WO-US025108.
XX 05-JAN-1999; 99WO-US000106.
XX 08-MAR-1999; 99WO-US005028.
XX 10-MAR-1999; 99WO-US005190.
XX 20-APR-1999; 99WO-US008615.
XX 14-MAY-1999; 99WO-US010733.
XX 02-JUN-1999; 99WO-US012252.
XX 01-SEP-1999; 99WO-US020111.
XX 08-SEP-1999; 99WO-US020594.
XX 13-SEP-1999; 99WO-US020944.
XX 15-SEP-1999; 99WO-US021090.
XX 15-SEP-1999; 99WO-US021547.
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PR 22-MAR-2001; 2001US-00816744.  
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XX (GETH ) GENENTECH INC.  
PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PU, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-695926/66.  
DR N-PSDB; ADA67642.  
XX  
PT Novel isolated PRO secreted and transmembrane polypeptides useful for  
PI stimulating the release of tumor necrosis factor-alpha from human blood  
PT and detecting the presence of a tumor in a mammal.  
XX  
PS Claim 12; Fig 470; 66Opp; English.  
XX  
CC The invention relates to isolated human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the polynucleotides encoding them. The  
CC invention also relates to an antibody which specifically binds to a PRO  
CC polypeptide, a method for stimulating the release of tumor necrosis  
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
CC proliferation or differentiation of chondrocyte cells and a method for  
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
CC polynucleotides are useful in molecular biology, including uses as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
CC be used in preparing PRO polypeptides by recombinant techniques and in  
CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating differentiation of adipocyte cells, for stimulating  
CC proliferation of or gene expression in pericyte cells, for stimulating  
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
CC cells, for inducing endothelial cell tube formation and for treating  
CC various bone and/or cartilage disorders such as sports injuries and  
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
CC from cartilage are useful for treating sports-related joint problems,  
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
CC polypeptides are also useful for treating various mammalian haemoglobin-  
CC associated disorders such as various thalassaemias and conditions which  
CC may benefit from enhanced local immune system cell infiltration. This  
CC sequence represents a human PRO polypeptide of the invention. Note: The  
CC sequence data for this patent is also available in electronic format from  
CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
XX  
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ID ADB30650 standard; protein; 105 AA.  
XX  
AC ADB30650;  
XX  
DT 20-NOV-2003 (first entry)  
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DE XX Human PRO polypeptide #235.  
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
KW liver; microvascular endothelial cell; glucose; FFA;  
KW skeletal muscle cell; adipocyte cell; pericyte cell;  
KW inner ear utricular supporting cell; T-lymphocyte cell;  
KW endothelial cell tube formation; bone disorder; cartilage disorder;  
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;  
KW immune system cell infiltration.  
XX Homo sapiens.  
XX US2003068794-A1.  
XX 10-APR-2003.  
XX 15-APR-2002; 2002US-00123155.  
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XX 10-NOV-2000; 2000WO-US030873.  
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XX 18-JUL-2001; 2001US-00908827.  
XX 06-AUG-2001; 2001US-00924419.  
XX 09-AUG-2001; 2001US-00927796.  
XX 16-AUG-2001; 2001US-00931836.  
XX 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski FJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI: 2003-708391/67.  
XX N-PSDB; ADB30649.  
XX New isolated PRO polypeptides e.g. PRO1801 and PRO1114, useful in the  
XX preparation of a medicament for treating a condition responsive to PRO  
XX polypeptide, and as therapeutic agents e.g. vaccines.  
XX Claim 12, Fig 470; 660pp; English.  
XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating



antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells and for treating cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from the USPTO website at [seqdata.uspto.gov](http://seqdata.uspto.gov).

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.5e-54;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60

Db 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLPDLNLLCSFPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRKRKHHTCPCLPDLNLLCSFPDGRYRCSDMLKNINF 105

RESULT 59

ID ADA85946

ADADA85946 standard; protein; 105 AA.

XX ADA85946;

XX 20-NOV-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW glucose uptake modulator; FFA uptake modulator;  
KW cell proliferation stimulator; cell differentiation stimulator;  
KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
KW gene therapy; chromosome identification; chromosome marker.

XX Homo sapiens.

XX US2003082693-A1.

XX 01-MAY-2003.

XX 22-APR-2002; 2002US-00127843.

XX 05-JUN-2000; 2000US-0209832P.

XX 01-DEC-2000; 2000WO-US032678.

XX 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;

PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-786907/74.  
DR N-PSDB; ADA85945.  
XX New PRO nucleic acid, useful for preparing a composition for treating  
PT e.g., tumor or for tissue typing.  
PS Claim 12; Fig 470; 637pp; English.

XX The invention describes 305 nucleic acids encoding PRO (secreted and transmembrane) polypeptides (I). (I) is useful for stimulating the release of TNF-alpha from human blood, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the proliferation of T-lymphocyte cells, for stimulating the release of a cytokine from PBMC cells, for inhibiting the binding of A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte cells, for stimulating proliferation of endothelial cells, for detecting the presence of tumour in a mammal. The tumour is lung, colon, breast, prostate, rectal, cervical or liver tumour. The oligonucleotide probes are useful for isolating genomic and cDNA nucleotide sequences or antisense probes. (I) is also useful as therapeutic agent. PRO is useful in assays to identify other proteins or molecules involved in binding interaction. A polynucleotide (II) encoding (I) is useful in chromosome and gene mapping, in generation of antisense RNA and DNA, in the preparation of PRO polypeptide, for generating transgenic animals or knockout animals which in turn are useful in the development and screening of therapeutically useful reagents, in gene therapy, for chromosome identification, as chromosome marker, and for generating probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g. detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. (I) and (II) are useful for tissue typing. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.5e-54;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60

Db 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLPDLNLLCSFPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRKRKHHTCPCLPDLNLLCSFPDGRYRCSDMLKNINF 105

RESULT 60

ADA17899

ID ADA17899 standard; protein; 105 AA.

XX ADA17899;

XX 20-NOV-2003 (first entry)

DE Human PRO1186 polypeptide.

XX Human; PRO polypeptide; secreted protein; transmembrane protein;  
KW transgenic; tumour; cytostatic.

XX Homo sapiens.

XX US2003054987-A1.

us-10-027-603-2.rag

Mon Aug 30 07:06:19 2004

PD	20-MAR-2003.		PR	25-JUN-1998;	98US-0090678P.
XX			PR	25-JUN-1998;	98US-0090690P.
PF	14-NOV-2001;	2001US-00990443.	PR	25-JUN-1998;	98US-0090694P.
XX			PR	25-JUN-1998;	98US-0090695P.
PR	16-JUN-1997;	97US-0049787P.	PR	25-JUN-1998;	98US-0090696P.
PR	17-OCT-1997;	97US-0062250P.	PR	26-JUN-1998;	98US-0090863P.
PR	05-NOV-1997;	97WO-US020069.	PR	26-JUN-1998;	98US-0091360P.
PR	12-NOV-1997;	97US-0065186P.	PR	01-JUL-1998;	98US-0091544P.
PR	13-NOV-1997;	97US-0065311P.	PR	02-JUL-1998;	98US-0091478P.
PR	25-FEB-1998;	97US-0066770P.	PR	02-JUL-1998;	98US-0091519P.
PR	20-MAR-1998;	98US-0075945P.	PR	02-JUL-1998;	98US-0091626P.
PR	28-APR-1998;	98US-0078910P.	PR	02-JUL-1998;	98US-0091633P.
PR	07-MAY-1998;	98US-0083322P.	PR	02-JUL-1998;	98US-0091646P.
PR	28-MAY-1998;	98US-0084600P.	PR	02-JUL-1998;	98US-0091673P.
PR	02-JUN-1998;	98US-0087106P.	PR	02-JUL-1998;	98US-0091678P.
PR	02-JUN-1998;	98US-0087607P.	PR	07-JUL-1998;	98US-0091978P.
PR	02-JUN-1998;	98US-0087759P.	PR	07-JUL-1998;	98US-0091982P.
PR	03-JUN-1998;	98US-0087827P.	PR	09-JUL-1998;	98US-0092182P.
PR	04-JUN-1998;	98US-0088021P.	PR	10-JUL-1998;	98US-0092472P.
PR	04-JUN-1998;	98US-0088025P.	PR	20-JUL-1998;	98US-0093339P.
PR	04-JUN-1998;	98US-0088026P.	PR	30-JUL-1998;	98US-0094651P.
PR	04-JUN-1998;	98US-0088028P.	PR	04-AUG-1998;	98US-0095282P.
PR	04-JUN-1998;	98US-0088029P.	PR	04-AUG-1998;	98US-0095301P.
PR	04-JUN-1998;	98US-0088030P.	PR	04-AUG-1998;	98US-0095302P.
PR	04-JUN-1998;	98US-0088033P.	PR	04-AUG-1998;	98US-0095318P.
PR	04-JUN-1998;	98US-0088326P.	PR	04-AUG-1998;	98US-0095321P.
PR	05-JUN-1998;	98US-0088167P.	PR	04-AUG-1998;	98US-0095325P.
PR	05-JUN-1998;	98US-0088202P.	PR	10-AUG-1998;	98US-0095915P.
PR	05-JUN-1998;	98US-0088212P.	PR	10-AUG-1998;	98US-0095923P.
PR	05-JUN-1998;	98US-0088217P.	PR	10-AUG-1998;	98US-0096012P.
PR	09-JUN-1998;	98US-0088655P.	PR	11-AUG-1998;	98US-0096143P.
PR	10-JUN-1998;	98US-0088734P.	PR	11-AUG-1998;	98US-0096146P.
PR	10-JUN-1998;	98US-0088738P.	PR	12-AUG-1998;	98US-0096329P.
PR	10-JUN-1998;	98US-0088742P.	PR	17-AUG-1998;	98US-0096757P.
PR	10-JUN-1998;	98US-0088810P.	PR	17-AUG-1998;	98US-0096766P.
PR	10-JUN-1998;	98US-0088824P.	PR	17-AUG-1998;	98US-0096768P.
PR	10-JUN-1998;	98US-0088826P.	PR	17-AUG-1998;	98US-0096773P.
PR	11-JUN-1998;	98US-0088858P.	PR	17-AUG-1998;	98US-0096791P.
PR	11-JUN-1998;	98US-0088866P.	PR	17-AUG-1998;	98US-0096867P.
PR	11-JUN-1998;	98US-0088878P.	PR	17-AUG-1998;	98US-0096891P.
PR	12-JUN-1998;	98US-0089105P.	PR	17-AUG-1998;	98US-0096894P.
PR	16-JUN-1998;	98US-0089440P.	PR	17-AUG-1998;	98US-0096895P.
PR	16-JUN-1998;	98US-0089512P.	PR	17-AUG-1998;	98US-0096897P.
PR	16-JUN-1998;	98US-0089514P.	PR	18-AUG-1998;	98US-0096949P.
PR	17-JUN-1998;	98US-0089532P.	PR	18-AUG-1998;	98US-0096950P.
PR	17-JUN-1998;	98US-0089538P.	PR	18-AUG-1998;	98US-0096959P.
PR	17-JUN-1998;	98US-0089598P.	PR	18-AUG-1998;	98US-0097022P.
PR	17-JUN-1998;	98US-0089599P.	PR	18-AUG-1998;	98US-0097141P.
PR	17-JUN-1998;	98US-0089600P.	PR	18-AUG-1998;	98US-0097218P.
PR	17-JUN-1998;	98US-0089653P.	PR	24-AUG-1998;	98US-0097661P.
PR	18-JUN-1998;	98US-0089801P.	PR	24-AUG-1998;	98US-0097952P.
PR	18-JUN-1998;	98US-0089807P.	PR	26-AUG-1998;	98US-0097954P.
PR	18-JUN-1998;	98US-0089907P.	PR	26-AUG-1998;	98US-0097955P.
PR	18-JUN-1998;	98US-0089908P.	PR	26-AUG-1998;	98US-0097971P.
PR	19-JUN-1998;	98US-0089947P.	PR	26-AUG-1998;	98US-0097974P.
PR	19-JUN-1998;	98US-0089948P.	PR	26-AUG-1998;	98US-0097978P.
PR	19-JUN-1998;	98US-0089952P.	PR	26-AUG-1998;	98US-0097979P.
PR	22-JUN-1998;	98US-0090246P.	PR	26-AUG-1998;	98US-0097986P.
PR	22-JUN-1998;	98US-0090252P.	PR	26-AUG-1998;	98US-0098014P.
PR	22-JUN-1998;	98US-0090254P.	PR	31-AUG-1998;	98US-0098525P.
PR	23-JUN-1998;	98US-0090349P.	PR	15-SEP-1998;	98US-0100634P.
PR	23-JUN-1998;	98US-0090355P.	PR	15-SEP-1998;	98US-0100858P.
PR	24-JUN-1998;	98US-0090429P.	PR	17-SEP-1998;	98WO-US019437.
PR	24-JUN-1998;	98US-0090431P.	PR	17-SEP-1998;	98WO-US021141.
PR	24-JUN-1998;	98US-0090435P.	PR	01-DEC-1998;	98WO-US025108.
PR	24-JUN-1998;	98US-0090444P.	PR	22-DEC-1998;	98US-0113296P.
PR	24-JUN-1998;	98US-0090445P.	PR	05-JAN-1999;	98WO-US000106.
PR	24-JUN-1998;	98US-0090472P.	PR	08-MAR-1999;	98WO-US005028.
PR	24-JUN-1998;	98US-0090535P.	PR	12-MAR-1999;	98US-0123957P.
PR	24-JUN-1998;	98US-0090540P.			
PR	24-JUN-1998;	98US-0090542P.			
PR	24-JUN-1998;	98US-0090557P.			
PR	25-JUN-1998;	98US-0090676P.			



DB	61	HPGSHKVPFRKKKHTCPCLNLLCSRPDGRYRCSMDLKNINF	105
RESULT 62			
ADA79462			
ID	ADA79462	standard; protein; 105 AA.	
XX	AC	ADA79462;	
XX	DI	20-NOV-2003 (first entry)	
XX	DE	Human PRO polypeptide #235.	
XX	KW	Human; PRO; secreted polypeptide; transmembrane polypeptide;	
KW	KW	tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;	
KW	KW	cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;	
KW	KW	liver; microvascular endothelial cell; glucose; FFA;	
KW	KW	skeletal muscle cell; adipocyte cell; pericyte cell;	
KW	KW	inner ear; utricular supporting cell; T-lymphocyte cell;	
KW	KW	endothelial cell tube formation; bone disorder; cartilage disorder;	
KW	KW	sports injury; proteoglycan; articular cartilage defect; osteoarthritis;	
KW	KW	rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;	
XX	KW	immune system cell infiltration.	
OS	XX	Homo sapiens.	
XX	XX	US2003082763-A1.	
XX	XX	01-MAY-2003.	
XX	XX	17-APR-2002; 2002US-00124818.	
XX	XX	31-MAR-1997; 97WO-US005230.	
PR	PR	12-JUN-1998; 98WO-US012456.	
PR	PR	14-JUL-1998; 98WO-US014552.	
PR	PR	28-AUG-1998; 98WO-US017888.	
PR	PR	10-SEP-1998; 98WO-US018824.	
PR	PR	14-SEP-1998; 98WO-US019093.	
PR	PR	14-SEP-1998; 98WO-US019094.	
PR	PR	14-SEP-1998; 98WO-US019177.	
PR	PR	16-SEP-1998; 98WO-US019330.	
PR	PR	17-SEP-1998; 98WO-US019437.	
PR	PR	07-OCT-1998; 98WO-US021141.	
PR	PR	29-OCT-1998; 98WO-US022991.	
PR	PR	29-OCT-1998; 98WO-US022992.	
PR	PR	20-NOV-1998; 98WO-US024855.	
PR	PR	01-DEC-1998; 98WO-US025108.	
PR	PR	05-JAN-1999; 98WO-US000106.	
PR	PR	08-MAR-1999; 98WO-US005028.	
PR	PR	10-MAR-1999; 98WO-US005190.	
PR	PR	20-APR-1999; 98WO-US008615.	
PR	PR	14-MAY-1999; 98WO-US010733.	
PR	PR	02-JUN-1999; 98WO-US012252.	
PR	PR	01-SEP-1999; 98WO-US020111.	
PR	PR	08-SEP-1999; 98WO-US020594.	
PR	PR	13-SEP-1999; 98WO-US020944.	
PR	PR	15-SEP-1999; 98WO-US021090.	
PR	PR	15-SEP-1999; 98WO-US021547.	
PR	PR	09-OCT-1999; 98WO-US023089.	
PR	PR	29-NOV-1999; 98WO-US028214.	
PR	PR	30-NOV-1999; 98WO-US028313.	
PR	PR	30-NOV-1999; 98WO-US028409.	
PR	PR	01-DEC-1999; 98WO-US028301.	
PR	PR	01-DEC-1999; 98WO-US028634.	
PR	PR	02-DEC-1999; 98WO-US028521.	
PR	PR	02-DEC-1999; 98WO-US028584.	
PR	PR	02-DEC-1999; 98WO-US028565.	
PR	PR	16-DEC-1999; 98WO-US030095.	
PR	PR	20-DEC-1999; 98WO-US030911.	
PR	PR	22-DEC-1999; 98WO-US030999.	
PR	PR	30-DEC-1999; 98WO-US030720.	
PR	PR	30-DEC-1999; 98WO-US031243.	
PR	PR	30-DEC-1999; 98WO-US031274.	
PR	PR	05-JAN-2000; 2000WO-US000219.	
PR	PR	06-JAN-2000; 2000WO-US000277.	
PR	PR	06-JAN-2000; 2000WO-US000376.	
PR	PR	11-FEB-2000; 2000WO-US003565.	
PR	PR	18-FEB-2000; 2000WO-US004341.	
PR	PR	18-FEB-2000; 2000WO-US004342.	
PR	PR	22-FEB-2000; 2000WO-US004414.	
PR	PR	24-FEB-2000; 2000WO-US004914.	
PR	PR	24-FEB-2000; 2000WO-US005004.	
PR	PR	01-MAR-2000; 2000WO-US005601.	
PR	PR	02-MAR-2000; 2000WO-US005746.	
PR	PR	02-MAR-2000; 2000WO-US005841.	
PR	PR	10-MAR-2000; 2000WO-US006319.	
PR	PR	15-MAR-2000; 2000WO-US006884.	
PR	PR	20-MAR-2000; 2000WO-US007377.	
PR	PR	21-MAR-2000; 2000WO-US007532.	
PR	PR	30-MAR-2000; 2000WO-US008439.	
PR	PR	17-MAY-2000; 2000WO-US013705.	
PR	PR	22-MAY-2000; 2000WO-US014042.	
PR	PR	30-MAY-2000; 2000WO-US014941.	
PR	PR	02-JUN-2000; 2000WO-US015264.	
PR	PR	28-JUL-2000; 2000WO-US020710.	
PR	PR	11-AUG-2000; 2000WO-US022031.	
PR	PR	23-AUG-2000; 2000WO-US023522.	
PR	PR	24-AUG-2000; 2000WO-US023328.	
PR	PR	08-NOV-2000; 2000WO-US030952.	
PR	PR	10-NOV-2000; 2000WO-US030873.	
PR	PR	01-DEC-2000; 2000WO-US032678.	
PR	PR	20-DEC-2000; 2000US-00747259.	
PR	PR	20-DEC-2000; 2000WO-US034956.	
PR	PR	28-FEB-2001; 2001US-00796498.	
PR	PR	28-FEB-2001; 2001US-00796520.	
PR	PR	01-MAR-2001; 2001WO-US006666.	
PR	PR	09-MAR-2001; 2001US-00802706.	
PR	PR	14-MAR-2001; 2001US-00808689.	
PR	PR	22-MAR-2001; 2001US-00816744.	
PR	PR	05-APR-2001; 2001US-00828366.	
PR	PR	10-MAY-2001; 2001US-00854208.	
PR	PR	18-MAY-2001; 2001US-00860216.	
PR	PR	25-MAY-2001; 2001US-008666028.	
PR	PR	25-MAY-2001; 2001US-00866034.	
PR	PR	25-MAY-2001; 2001WO-US017092.	
PR	PR	01-JUN-2001; 2001US-00872035.	
PR	PR	01-JUN-2001; 2001WO-US017800.	
PR	PR	05-JUN-2001; 2001US-00874503.	
PR	PR	14-JUN-2001; 2001US-00882636.	
PR	PR	19-JUN-2001; 2001US-00886342.	
PR	PR	20-JUN-2001; 2001WO-US015692.	
PR	PR	21-JUN-2001; 2001US-00887879.	
PR	PR	22-JUN-2001; 2001WO-US020116.	
PR	PR	29-JUN-2001; 2001WO-US021066.	
PR	PR	09-JUL-2001; 2001WO-US021735.	
PR	PR	18-JUL-2001; 2001US-00908827.	
PR	PR	06-AUG-2001; 2001US-00924419.	
PR	PR	09-AUG-2001; 2001US-00927796.	
PR	PR	16-AUG-2001; 2001US-00931836.	
PR	PR	19-DEC-2001; 2001US-00028072.	
XX	XX	(GETH ) GENENTECH INC.	
XX	XX	Baker KP, Beresini M, Deforge L, Deenoyers L, Filvaroff E, Gao W;	
PI	PI	Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;	
PI	PI	Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;	
XX	XX	WPI; 2003-755116/71.	
DR	DR	N-PSDB; ADA79461.	
XX	XX	New secreted and transmembrane PRO polypeptides and nucleic acids, useful	
PT	PT	in detection and treatment of cancer and in modulating the uptake of	
PT	PT	glucose or free fatty acid by skeletal muscle cells or adipocyte cells.	
XX	XX	Claim 12; Fig 470; 659pp; English.	

XX The invention relates to isolated human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the polynucleotides encoding them. The  
CC invention also relates to an antibody which specifically binds to a PRO  
CC polypeptide, a method for stimulating the release of tumour necrosis  
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
CC proliferation or differentiation of chondrocyte cells and a method for  
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
CC polynucleotides are useful in molecular biology, including uses as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
CC be used in preparing PRO polypeptides by recombinant techniques and in  
CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating differentiation of adipocyte cells, for stimulating  
CC the proliferation of or gene expression in pericyte cells, for stimulating  
CC cells, for inducing endothelial cell tube formation and for treating  
CC various bone and/or cartilage disorders such as sports injuries and  
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
CC from cartilage are useful for treating sports-related joint problems, PRO  
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
CC polypeptides are also useful for treating various mammalian haemoglobin-  
CC associated disorders such as various thalassaemias and conditions which  
CC may benefit from enhanced local immune system cell infiltration. This  
CC sequence represents a human PRO polypeptide of the invention. Note: The  
CC sequence data for this patent is also available in electronic format from  
CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX Sequence 105 AA;

Query Match 100.0%; Score 599; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVCCGAGTCCCAISLWLRGVMCTPLGREGEC 60  
DB 1 MRGATRVSIIMLLVTVSDCAVITGACERDVCCGAGTCCCAISLWLRGVMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRKXKHTCPCPLNLLCSRFPDGRYCSMDLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCPLNLLCSRFPDGRYCSMDLKNINF 105

RESULT 63

ADA87601  
ID ADA87601 standard; protein; 105 AA.

XX ADA87601;

XX 20-NOV-2003 (first entry)

XX Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW Glucose uptake modulator; FFA uptake modulator;  
KW cell proliferation stimulator; cell differentiation stimulator;  
KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
KW gene therapy; chromosome identification; chromosome marker.

XX Homo sapiens.

XX US2003087345-A1.

XX

PR 08-MAY-2003.  
XX  
PR 16-APR-2002; 2002US-00123907.  
XX  
PR 31-MAR-1997; 97WO-US005230.  
PR 12-JUN-1998; 98WO-US012456.  
PR 14-JUL-1998; 98WO-US014552.  
PR 28-AUG-1998; 98WO-US017888.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019093.  
PR 14-SEP-1998; 98WO-US019094.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022991.  
PR 29-OCT-1998; 98WO-US022992.  
PR 20-NOV-1998; 98WO-US024855.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 10-MAR-1999; 99WO-US005190.  
PR 20-MAR-1999; 2000WO-US006319.  
PR 20-APR-1999; 99WO-US008615.  
PR 14-MAY-1999; 99WO-US010733.  
PR 02-JUN-1999; 99WO-US012252.  
PR 01-SEP-1999; 99WO-US020111.  
PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 29-NOV-1999; 99WO-US028214.  
PR 30-NOV-1999; 99WO-US028313.  
PR 30-NOV-1999; 99WO-US028409.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 02-DEC-1999; 99WO-US028551.  
PR 02-DEC-1999; 99WO-US028554.  
PR 02-DEC-1999; 99WO-US028585.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030999.  
PR 22-DEC-1999; 99WO-US030720.  
PR 30-DEC-1999; 99WO-US031243.  
PR 30-DEC-1999; 99WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004514.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007277.  
PR 21-MAR-2000; 2000WO-US007532.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.

20-DEC-2000; 2000US-00747259.  
 20-DEC-2000; 2000WO-US034956.  
 28-FEB-2001; 2001US-00796499.  
 28-FEB-2001; 2001WO-US006520.  
 01-MAR-2001; 2001WO-US006666.  
 09-MAR-2001; 2001US-00802706.  
 14-MAR-2001; 2001US-00806889.  
 22-MAR-2001; 2001US-00816744.  
 05-APR-2001; 2001US-00828366.  
 10-MAY-2001; 2001US-00854208.  
 10-MAY-2001; 2001US-00854280.  
 18-MAY-2001; 2001US-00860216.  
 25-MAY-2001; 2001US-00866028.  
 25-MAY-2001; 2001US-00866034.  
 25-MAY-2001; 2001WO-US017092.  
 01-JUN-2001; 2001US-00872035.  
 01-JUN-2001; 2001WO-US017800.  
 05-JUN-2001; 2001US-00874503.  
 14-JUN-2001; 2001US-00882636.  
 19-JUN-2001; 2001US-00886342.  
 20-JUN-2001; 2001WO-US019692.  
 21-JUN-2001; 2001US-00887879.  
 22-JUN-2001; 2001WO-US020116.  
 29-JUN-2001; 2001WO-US021066.  
 09-JUL-2001; 2001WO-US021735.  
 18-JUL-2001; 2001US-00908827.  
 09-AUG-2001; 2001US-00924419.  
 09-AUG-2001; 2001US-00927796.  
 16-AUG-2001; 2001US-00931836.  
 19-DEC-2001; 2001US-00028072.  
 (GETH ) GENENTECH INC.  
 Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 WPI; 2003-786937/74.  
 DR N-PSDB; ADA87600.  
 XX  
 PT New PRO nucleic acid, useful for manufacturing a medicament for  
 diagnosing or treating tumor.  
 XX  
 PS Claim 12; Fig 470; 638pp; English.  
 CC The invention describes 305 nucleic acids encoding PRO (secreted and  
 transmembrane) polypeptides (I). (I) is useful for stimulating the  
 release of TNF-alpha from human blood, for modulating the uptake of  
 glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 stimulating the proliferation or differentiation of chondrocyte cells,  
 for stimulating the proliferation of or gene expression in pericyte  
 cells, for stimulating the release of proteoglycans from cartilage,  
 stimulating the proliferation of inner ear utricular supporting cells,  
 for stimulating the proliferation of T-lymphocyte cells, for stimulating  
 the release of a cytokine from PWM cells, for inhibiting the binding of  
 A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte  
 cells, for stimulating proliferation of endothelial cells, for detecting  
 the presence of tumour in a mammal. The tumour is lung, colon, breast,  
 prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
 are useful for isolating genomic and cDNA nucleotide sequences or  
 antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
 in assays to identify other proteins or molecules involved in binding  
 interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
 and gene mapping. In generation of antisense RNA and DNA, in the  
 preparation of PRO polypeptide, for generating transgenic animals or  
 knockout animals which in turn are useful in the development and  
 screening of therapeutically useful reagents, in gene therapy, for  
 chromosome identification, as chromosome marker, and for generating  
 probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
 detecting its expression in specific cells, tissues or serum, and for  
 affinity purification of PRO from recombinant cell culture or natural  
 sources. (I) and (II) are useful for tissue typing. This is the amino  
 acid sequence of a novel human secreted and transmembrane PRO

CC polypeptide.  
 XX Sequence 105 AA;  
 SQ  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCCAGTCCCAISLWLRGIRNCTPLGRGESEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCCAGTCCCAISLWLRGIRNCTPLGRGESEC 60  
 QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGRYRCMDLKNINF 105  
 DB 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGRYRCMDLKNINF 105  
 RESULT 64  
 ADB16803  
 ID ADB16803 standard; protein; 105 AA.  
 XX  
 AC ADB16803;  
 XX  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Human PRO polypeptide #235.  
 XX  
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;  
 KW immune system cell infiltration.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003087349-A1.  
 XX  
 PD 08-MAY-2003.  
 XX  
 PF 19-APR-2002; 2002US-00125928.  
 XX  
 PR 19-JUN-1998; 98US-0089947P.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 25-AUG-1999; 99US-00380137.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 (GETH ) GENENTECH INC.  
 Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 WPI; 2003-786940/74.  
 DR N-PSDB; ADB16802.  
 XX  
 PT New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,  
 and for manufacturing a medicament for diagnosing or treating tumor.  
 XX  
 PS Claim 12; Fig 470; 637pp; English.  
 CC The invention relates to isolated human PRO polypeptides (secreted and  
 transmembrane polypeptides) and the polynucleotides encoding them. The  
 invention also relates to an antibody which specifically binds to a PRO  
 polypeptide, a method for stimulating the release of tumour necrosis  
 factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 proliferation or differentiation of chondrocyte cells and a method for

CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC the proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis, PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

CC Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCTCAISLWLRGMCTPLGRGEEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCTCAISLWLRGMCTPLGRGEEC 60  
 QY 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSRFDPGRYRCMSDLKINF 105  
 Db 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSRFDPGRYRCMSDLKINF 105

RESULT 65

ADA28007  
 ID ADA28007 standard; protein; 105 AA.

XX AC ADA28007;

XX DT 20-NOV-2003 (first entry)

XX DE Human secreted/transmembrane protein PRO1186.

XX KW PRO; secreted protein; transmembrane protein;  
 KW hypertrophy of neonatal heart; angiogenesis;  
 KW vascular endothelial growth factor; VEGF-stimulated proliferation;  
 KW endothelial cell; T-lymphocyte proliferation; retinal neuron;  
 KW rod photoreceptor cell; c-fos induction; adipocyte cell;  
 KW chondrocyte differentiation;  
 KW pancreatic beta-cell precursor differentiation;  
 KW cardiac insufficiency disorder; wound; cancerous tumour;  
 KW retinal disorders; loss of sight; retinitis pigmentosa; kidney disorder;  
 KW obesity; diabetes; hyperinsulinaemia; hypoinsulinaemia; bone disorder;  
 KW cartilage disorder; sports injury; arthritis; cancer; human.

OS Homo sapiens.

XX FN US2003054359-A1.

XX PD 20-MAR-2003.

XX PF 14-NOV-2001; 2001US-00990726.

XX

PR 16-JUN-1997; 97US-0049787P.  
 PR 17-OCT-1997; 97US-0062250P.  
 PR 05-NOV-1997; 97WO-US020069.  
 PR 12-NOV-1997; 97US-0065186P.  
 PR 13-NOV-1997; 97US-0065311P.  
 PR 24-NOV-1997; 97US-0066770P.  
 PR 25-FEB-1998; 98US-0075945P.  
 PR 20-MAR-1998; 98US-0078910P.  
 PR 28-APR-1998; 98US-0083222P.  
 PR 07-MAY-1998; 98US-0084600P.  
 PR 28-MAY-1998; 98US-0087106P.  
 PR 02-JUN-1998; 98US-0087607P.  
 PR 02-JUN-1998; 98US-0087609P.  
 PR 03-JUN-1998; 98US-0087759P.  
 PR 03-JUN-1998; 98US-0087827P.  
 PR 04-JUN-1998; 98US-0088021P.  
 PR 04-JUN-1998; 98US-0088025P.  
 PR 04-JUN-1998; 98US-0088026P.  
 PR 04-JUN-1998; 98US-0088028P.  
 PR 04-JUN-1998; 98US-0088029P.  
 PR 04-JUN-1998; 98US-0088030P.  
 PR 04-JUN-1998; 98US-0088033P.  
 PR 05-JUN-1998; 98US-0088326P.  
 PR 05-JUN-1998; 98US-0088167P.  
 PR 05-JUN-1998; 98US-0088202P.  
 PR 05-JUN-1998; 98US-0088212P.  
 PR 05-JUN-1998; 98US-0088217P.  
 PR 09-JUN-1998; 98US-0088655P.  
 PR 10-JUN-1998; 98US-0088734P.  
 PR 10-JUN-1998; 98US-0088738P.  
 PR 10-JUN-1998; 98US-0088742P.  
 PR 10-JUN-1998; 98US-0088810P.  
 PR 10-JUN-1998; 98US-0088824P.  
 PR 10-JUN-1998; 98US-0088826P.  
 PR 11-JUN-1998; 98US-0088858P.  
 PR 11-JUN-1998; 98US-0088861P.  
 PR 11-JUN-1998; 98US-0088876P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 16-JUN-1998; 98US-0089440P.  
 PR 16-JUN-1998; 98US-0089512P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089532P.  
 PR 17-JUN-1998; 98US-0089538P.  
 PR 17-JUN-1998; 98US-0089598P.  
 PR 17-JUN-1998; 98US-0089599P.  
 PR 17-JUN-1998; 98US-0089600P.  
 PR 17-JUN-1998; 98US-0089653P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 19-JUN-1998; 98US-0089947P.  
 PR 19-JUN-1998; 98US-0089948P.  
 PR 22-JUN-1998; 98US-0089952P.  
 PR 22-JUN-1998; 98US-0090246P.  
 PR 22-JUN-1998; 98US-0090252P.  
 PR 23-JUN-1998; 98US-0090254P.  
 PR 23-JUN-1998; 98US-0090349P.  
 PR 23-JUN-1998; 98US-0090355P.  
 PR 24-JUN-1998; 98US-0090439P.  
 PR 24-JUN-1998; 98US-0090431P.  
 PR 24-JUN-1998; 98US-0090435P.  
 PR 24-JUN-1998; 98US-0090444P.  
 PR 24-JUN-1998; 98US-0090445P.  
 PR 24-JUN-1998; 98US-0090472P.  
 PR 24-JUN-1998; 98US-0090535P.  
 PR 24-JUN-1998; 98US-0090540P.  
 PR 24-JUN-1998; 98US-0090542P.  
 PR 25-JUN-1998; 98US-0090557P.  
 PR 25-JUN-1998; 98US-0090676P.  
 PR 25-JUN-1998; 98US-0090678P.  
 PR 25-JUN-1998; 98US-0090690P.  
 PR 25-JUN-1998; 98US-0090694P.  
 PR 25-JUN-1998; 98US-0090695P.







QY	1	MRGATRVSI	MLLLVTVSDCAITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEBC	60		
Db	1	MRGATRVSI	MLLLVTVSDCAITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEBC	60		
QY	61	HFGSHKVP	FFFRKXKHHTCPCLPNLLCSRPDPGRYCSMDLKQVNF	105		
Db	61	HFGSHKVP	FFFRKXKHHTCPCLPNLLCSRPDPGRYCSMDLKQVNF	105		
RESULT 68						
ADB18919						
ID	ADB18919 standard; protein; 105 AA.					
XX	XX	ADB18919;				
DT	20-NOV-2003 (first entry)					
DE	Novel human secreted and transmembrane protein PRO1186.					
XX	Human; secreted and transmembrane protein; PRO;					
KW	Tumour necrosis factor alpha release; TNF-alpha release;					
KM	glucose uptake modulator; FFA uptake modulator;					
KW	cell proliferation stimulator; cell differentiation stimulator;					
KM	cell differentiation inhibitor; cytokine releas.					
XX	Homo sapiens.					
OS	XX	US2003073211-A1.				
PN	XX	17-APR-2003.				
PD	XX	15-APR-2002; 2002US-00123292.				
PE	XX	31-MAR-1997; 97WO-US005230.				
XX	PR	12-JUN-1998; 98WO-US012456.				
PR	PR	14-JUL-1998; 98WO-US014552.				
PR	PR	28-AUG-1998; 98WO-US017888.				
PR	PR	10-SEP-1998; 98WO-US018824.				
PR	PR	14-SEP-1998; 98WO-US019093.				
PR	PR	14-SEP-1998; 98WO-US019094.				
PR	PR	14-SEP-1998; 98WO-US019177.				
PR	PR	16-SEP-1998; 98WO-US019330.				
PR	PR	17-SEP-1998; 98WO-US019437.				
PR	PR	07-OCT-1998; 98WO-US021141.				
PR	PR	29-OCT-1998; 98WO-US022991.				
PR	PR	29-OCT-1998; 98WO-US022992.				
PR	PR	20-NOV-1998; 98WO-US024855.				
PR	PR	01-DEC-1998; 98WO-US026108.				
PR	PR	05-JAN-1999; 99WO-US000106.				
PR	PR	08-MAR-1999; 99WO-US0005028.				
PR	PR	10-MAR-1999; 99WO-US0005190.				
PR	PR	20-APR-1999; 99WO-US0008615.				
PR	PR	14-MAY-1999; 99WO-US010733.				
PR	PR	02-JUN-1999; 99WO-US012252.				
PR	PR	01-SEP-1999; 99WO-US020111.				
PR	PR	08-SEP-1999; 99WO-US020594.				
PR	PR	13-SEP-1999; 99WO-US020844.				
PR	PR	15-SEP-1999; 99WO-US021090.				
PR	PR	15-SEP-1999; 99WO-US021547.				
PR	PR	05-OCT-1999; 99WO-US022089.				
PR	PR	29-NOV-1999; 99WO-US028214.				
PR	PR	30-NOV-1999; 99WO-US028313.				
PR	PR	30-NOV-1999; 99WO-US028409.				
PR	PR	01-DEC-1999; 99WO-US028301.				
PR	PR	01-DEC-1999; 99WO-US028634.				
PR	PR	02-DEC-1999; 99WO-US028551.				
PR	PR	02-DEC-1999; 99WO-US028564.				
PR	PR	02-DEC-1999; 99WO-US028565.				
PR	PR	16-DEC-1999; 99WO-US030095.				
PR	PR	20-DEC-1999; 99WO-US030911.				
PR	PR	20-DEC-1999; 99WO-US030999.				
PR	PR	22-DEC-1999; 99WO-US030720.				

PS Claim 12; Fig 470; 638pp; English.

XX The invention describes 305 nucleic acids encoding PRO (secreted and transmembrane) polypeptides (I). (I) is useful for stimulating the release of TNF-alpha from human blood, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWLRGRLMCTPLRGEGEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWLRGRLMCTPLRGEGEC 60  
Qy 61 HPGSHKVPFFRKXKHTCPCLNLLCSRRFPDGRYRCMDLKNINF 105  
Db 61 HPGSHKVPFFRKXKHTCPCLNLLCSRRFPDGRYRCMDLKNINF 105

RESULT 69  
ADA94134  
ID ADA94134 standard; protein; 105 AA.  
XX ADA94134;  
AC ADA94134;  
DT 20-NOV-2003 (first entry)  
XX Human PRO polypeptide #235.  
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
XX tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
XX cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;  
XX liver; microvascular endothelial cell; Glucose; FFA;  
XX skeletal muscle cell; adipocyte cell; pericyte cell;  
XX inner ear utricular supporting cell; T-lymphocyte cell;  
XX endothelial cell tube formation; bone disorder; cartilage disorder;  
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
XX rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
XX immune system cell infiltration.  
XX Homo sapiens.  
OS US2003077722-A1.  
XX 24-APR-2003.  
XX 03-MAY-2002; 2002US-00137872.  
XX 03-MAR-2000; 2000US-0187202P.  
XX 01-DEC-2000; 2000MO-US032678.  
XX 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-755077/71.  
XX N-PSDB; ADA94133.  
XX New isolated, secreted and transmembrane PRO nucleic acid, useful for the  
XX diagnosis, prevention and/or treatment of tumors, such as lung, colon,  
XX breast, prostate, rectal, cervical and/or liver tumors.  
XX Claim 12; Fig 470; 637pp; English.  
XX The invention relates to isolated human PRO polypeptides (secreted and transmembrane polypeptides) and the polynucleotides encoding them. The invention also relates to an antibody which specifically binds to a PRO

CC polypeptide, a method for stimulating the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.html.

XX USPTO at seqdata.uspto.gov/sequence.html.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWLRGRLMCTPLRGEGEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWLRGRLMCTPLRGEGEC 60  
Qy 61 HPGSHKVPFFRKXKHTCPCLNLLCSRRFPDGRYRCMDLKNINF 105  
Db 61 HPGSHKVPFFRKXKHTCPCLNLLCSRRFPDGRYRCMDLKNINF 105

RESULT 70  
ADB20030  
ID ADB20030 standard; protein; 105^AA.  
XX ADB20030;  
AC ADB20030;  
DT 20-NOV-2003 (first entry)  
XX Novel human secreted and transmembrane protein PRO1186.  
XX Human; secreted and transmembrane protein; PRO;  
XX Tumour necrosis factor alpha release; TNF-alpha release;  
XX glucose uptake modulator; FFA uptake modulator;  
XX cell proliferation stimulator; cell differentiation stimulator;  
XX cell differentiation inhibitor; cytokine release stimulator; tumour;  
XX lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
XX cervical tumour; liver tumour; chromosome mapping; gene mapping;  
XX gene therapy; chromosome identification; chromosome marker.  
OS Homo sapiens.  
XX US2003082691-A1.  
XX 01-MAY-2003.  
XX 22-APR-2002; 2002US-00127838.

PR 17-NOV-1998; 98US-0108802P.  
 PR 01-SEP-1999; 99MO-US020111.  
 PR 18-OCT-1999; 99US-00403297.  
 PR 18-FEB-2000; 2000MO-US004342.  
 PR 02-JUN-2000; 2000MO-US015264.  
 PR 23-AUG-2000; 2000MO-US023522.  
 PR 01-DEC-2000; 2000MO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX (GETH ) GENENTECH INC.  
 PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-755108/71.  
 DR N-PSDB; ADB20029.  
 XX PRO nucleic acid, useful for preparing a composition for treating e.g.,  
 PT tumor or for tissue typing.  
 PT Claim 12; Fig 470; 637pp; English.  
 PS The invention describes 305 nucleic acids encoding PRO (secreted and  
 CC transmembrane polypeptides (I). (I) is useful for stimulating the  
 CC release of TNF-alpha from human blood, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating the proliferation or differentiation of chondrocyte cells,  
 CC for stimulating the proliferation of or gene expression in pericyte  
 CC cells, for stimulating the release of proteoglycans from cartilage, for  
 CC stimulating the proliferation of inner ear utricular supporting cells,  
 CC for stimulating the proliferation of T-lymphocyte cells, for stimulating  
 CC the release of a cytokine from PBMC cells, for inhibiting the binding of  
 CC A-peptide to factor VIIa, for inhibiting the differentiation of adipocyte  
 CC cells, for stimulating proliferation of endothelial cells, for detecting  
 CC the presence of tumor in a mammal. The tumor is lung, colon, breast,  
 CC prostate, rectal, cervical or liver tumor. The oligonucleotide probes  
 CC are useful for isolating genomic and cDNA nucleotide sequences or  
 CC antisense probes. (i) is also useful as therapeutic agent. PRO is useful  
 CC in assays to identify other proteins or molecules involved in binding  
 CC interaction. A polynucleotide (ii) encoding (i) is useful in chromosome  
 CC and gene mapping, in generation of antisense RNA and DNA, in the  
 CC preparation of PRO polypeptide, for generating transgenic animals or  
 CC knockout animals which in turn are useful in the development and  
 CC screening of therapeutically useful reagents, in gene therapy, for  
 CC chromosome identification, as chromosome marker, and for generating  
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
 CC detecting its expression in specific cells, tissues or serum, and for  
 CC affinity purification of PRO from recombinant cell culture or natural  
 CC sources. (I) and (II) are useful for tissue typing. This is the amino  
 CC acid sequence of a novel human secreted and transmembrane PRO  
 CC polypeptide.  
 XX Sequence 105 AA;  
 SQ Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 MRGATRVISIMLLTVSDCAVITGACERDVQCAGTCCASLWLRGLMCTPLGRGEEC 60  
 Db 1 MRGATRVISIMLLTVSDCAVITGACERDVQCAGTCCASLWLRGLMCTPLGRGEEC 60  
 Qy 61 HPGSHKVPFFKRKHHTCPCLPILLCSRFDPGRVRCSDMLKNINF 105  
 Db 61 HPGSHKVPFFKRKHHTCPCLPILLCSRFDPGRVRCSDMLKNINF 105  
 RESULT 71  
 ADB13342  
 ID ADB13342 standard; protein; 105 AA.  
 XX  
 AC ADB13342;

XX 20-NOV-2003 (first entry)  
 XX Human PRO polypeptide #235.  
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumor necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;  
 KW immune system cell infiltration.  
 XX Homo sapiens.  
 XX US2003082710-A1.  
 XX 01-MAY-2003.  
 XX 16-MAY-2002; 2002US-00147484.  
 XX 09-DEC-1999; 99US-0170262P.  
 XX 01-DEC-2000; 2000MO-US032678.  
 XX 19-DEC-2001; 2001US-00028072.  
 XX (GETH ) GENENTECH INC.  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-786913/74.  
 DR N-PSDB; ADB13341.  
 XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,  
 PT preparing a composition for treating e.g., tumor, or for tissue typing.  
 PT Claim 12; Fig 470; 637pp; English.  
 XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung, the  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The



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DR N-PSDB; ACD98658.  
XX  
PT New transmembrane polypeptides and nucleic acids encoding the  
PT polypeptides, useful in gene therapy, in chromosome identification, as  
PT chromosome markers, or in generating probes.  
XX  
XX  
PS Claim 12; Fig 470; 660pp; English.  
XX  
XX The invention describes an isolated nucleic acid encoding a PRO (secreted  
CC and transmembrane) polypeptide. Nucleic acids which encode PRO can be  
CC used to generate either transgenic animals or knock-out animals useful in  
CC developing and screening of therapeutically useful reagents. The nucleic  
CC acids may also be used in gene therapy, in chromosome identification, as  
CC chromosome markers, or in generating probes. The PRO polypeptides are  
CC useful as molecular markers for protein electrophoresis, and the isolated  
CC nucleic acids may be used for recombinantly expressing those markers. The  
CC PRO polypeptides and nucleic acids may also be used in tissue typing.  
CC Anti-PRO antibodies are useful in diagnostic assays for PRO, and in  
CC affinity purification of PRO from recombinant cell culture or natural  
CC sources. This is the amino acid sequence of a novel human secreted and  
CC transmembrane PRO polypeptide  
XX  
XX Sequence 105 AA;  
SQ  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCGAGTCCATSLMLRGLRMCTPLGREGEEC 60  
DB 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCGAGTCCATSLMLRGLRMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFPKRKHHTCPCLNLLCSRFDPGRYRCMSMDLKNINF 105  
DB 61 HPGSHKVPFFPKRKHHTCPCLNLLCSRFDPGRYRCMSMDLKNINF 105  
RESULT 73  
ADA94587  
ID ADA94587 standard; protein; 105 AA.  
XX  
XX ADA94587;  
XX  
DT 20-NOV-2003 (first entry)  
XX  
DE Human secreted/transmembrane protein PRO1186.  
XX  
XX PRO; secreted protein; transmembrane protein;  
KW hypertrophy of neonatal heart; angiogenesis;  
KW vascular endothelial growth factor; VEGF-stimulated proliferation;  
KW endothelial cell; T-lymphocyte proliferation; retinal neuron;  
KW c-fos induction; adipocyte cell; chondrocyte differentiation;  
KW pancreatic beta-cell precursor differentiation; gene therapy; tumour;  
KW cancer; human; colon cancer; lung cancer; breast cancer;  
KW rod photoreceptor cell.  
XX  
XX Homo sapiens.  
XX  
XX US2003059832-A1.  
XX  
XX 27-MAR-2003.  
XX  
XX 15-NOV-2001; 2001US-00997349.  
XX  
XX 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US000069.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.

07-MAY-1998; 98US-0084600P.  
28-MAY-1998; 98US-0087106P.  
02-JUN-1998; 98US-0087607P.  
02-JUN-1998; 98US-0087609P.  
02-JUN-1998; 98US-0087759P.  
03-JUN-1998; 98US-0087827P.  
04-JUN-1998; 98US-0088021P.  
04-JUN-1998; 98US-0088025P.  
04-JUN-1998; 98US-0088026P.  
04-JUN-1998; 98US-0088028P.  
04-JUN-1998; 98US-0088039P.  
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04-JUN-1998; 98US-0088326P.  
05-JUN-1998; 98US-0088167P.  
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05-JUN-1998; 98US-0088212P.  
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09-JUN-1998; 98US-0088655P.  
10-JUN-1998; 98US-0088734P.  
10-JUN-1998; 98US-0088738P.  
10-JUN-1998; 98US-0088742P.  
10-JUN-1998; 98US-0088810P.  
10-JUN-1998; 98US-0088824P.  
10-JUN-1998; 98US-0088826P.  
11-JUN-1998; 98US-0088858P.  
11-JUN-1998; 98US-0088861P.  
11-JUN-1998; 98US-0088876P.  
12-JUN-1998; 98US-0089105P.  
16-JUN-1998; 98US-0089440P.  
16-JUN-1998; 98US-0089512P.  
16-JUN-1998; 98US-0089514P.  
17-JUN-1998; 98US-0089532P.  
17-JUN-1998; 98US-0089538P.  
17-JUN-1998; 98US-0089598P.  
17-JUN-1998; 98US-0089599P.  
17-JUN-1998; 98US-0089600P.  
17-JUN-1998; 98US-0089653P.  
18-JUN-1998; 98US-0089801P.  
18-JUN-1998; 98US-0089907P.  
18-JUN-1998; 98US-0089908P.  
19-JUN-1998; 98US-0089947P.  
19-JUN-1998; 98US-0089948P.  
19-JUN-1998; 98US-0089952P.  
22-JUN-1998; 98US-0090246P.  
22-JUN-1998; 98US-0090252P.  
22-JUN-1998; 98US-0090254P.  
23-JUN-1998; 98US-0090349P.  
23-JUN-1998; 98US-0090355P.  
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24-JUN-1998; 98US-0090431P.  
24-JUN-1998; 98US-0090435P.  
24-JUN-1998; 98US-0090444P.  
24-JUN-1998; 98US-0090445P.  
24-JUN-1998; 98US-0090472P.  
24-JUN-1998; 98US-0090535P.  
24-JUN-1998; 98US-0090540P.  
24-JUN-1998; 98US-0090542P.  
24-JUN-1998; 98US-0090557P.  
25-JUN-1998; 98US-0090676P.  
25-JUN-1998; 98US-0090678P.  
25-JUN-1998; 98US-0090690P.  
25-JUN-1998; 98US-0090694P.  
25-JUN-1998; 98US-0090695P.  
25-JUN-1998; 98US-0090696P.  
26-JUN-1998; 98US-0090862P.  
26-JUN-1998; 98US-0090863P.  
01-JUL-1998; 98US-0091360P.  
01-JUL-1998; 98US-0091544P.  
02-JUL-1998; 98US-0091478P.  
02-JUL-1998; 98US-0091519P.  
02-JUL-1998; 98US-0091628P.  
02-JUL-1998; 98US-0091628P.

PR 02-JUL-1998; 98US-0091633P.  
 PR 02-JUL-1998; 98US-0091646P.  
 PR 02-JUL-1998; 98US-0091673P.  
 PR 07-JUL-1998; 98US-0091978P.  
 PR 07-JUL-1998; 98US-0091982P.  
 PR 09-JUL-1998; 98US-0092182P.  
 PR 10-JUL-1998; 98US-0092472P.  
 PR 20-JUL-1998; 98US-0093339P.  
 PR 30-JUL-1998; 98US-0094651P.  
 PR 04-AUG-1998; 98US-0095282P.  
 PR 04-AUG-1998; 98US-0095285P.  
 PR 04-AUG-1998; 98US-0095301P.  
 PR 04-AUG-1998; 98US-0095302P.  
 PR 04-AUG-1998; 98US-0095318P.  
 PR 04-AUG-1998; 98US-0095321P.  
 PR 10-AUG-1998; 98US-0095916P.  
 PR 10-AUG-1998; 98US-0095929P.  
 PR 10-AUG-1998; 98US-0096012P.  
 PR 11-AUG-1998; 98US-0096143P.  
 PR 11-AUG-1998; 98US-0096146P.  
 PR 12-AUG-1998; 98US-0096329P.  
 PR 17-AUG-1998; 98US-0096757P.  
 PR 17-AUG-1998; 98US-0096766P.  
 PR 17-AUG-1998; 98US-0096768P.  
 PR 17-AUG-1998; 98US-0096773P.  
 PR 17-AUG-1998; 98US-0096791P.  
 PR 17-AUG-1998; 98US-0096867P.  
 PR 17-AUG-1998; 98US-0096891P.  
 PR 17-AUG-1998; 98US-0096894P.  
 PR 17-AUG-1998; 98US-0096895P.  
 PR 17-AUG-1998; 98US-0096897P.  
 PR 18-AUG-1998; 98US-0096949P.  
 PR 18-AUG-1998; 98US-0096950P.  
 PR 18-AUG-1998; 98US-0096953P.  
 PR 18-AUG-1998; 98US-0096960P.  
 PR 18-AUG-1998; 98US-0097022P.  
 PR 19-AUG-1998; 98US-0097141P.  
 PR 20-AUG-1998; 98US-0097218P.  
 PR 24-AUG-1998; 98US-0097661P.  
 PR 26-AUG-1998; 98US-0097952P.  
 PR 26-AUG-1998; 98US-0097954P.  
 PR 26-AUG-1998; 98US-0097955P.  
 PR 26-AUG-1998; 98US-0097971P.  
 PR 26-AUG-1998; 98US-0097974P.  
 PR 26-AUG-1998; 98US-0097978P.  
 PR 26-AUG-1998; 98US-0097979P.  
 PR 26-AUG-1998; 98US-0097986P.  
 PR 31-AUG-1998; 98US-0098014P.  
 PR 16-SEP-1998; 98US-0098525P.  
 PR 16-SEP-1998; 98US-0100634P.  
 PR 17-SEP-1998; 98US-0101933P.  
 PR 17-SEP-1998; 98US-0100858P.  
 PR 17-SEP-1998; 98US-0101943P.  
 PR 01-OCT-1998; 98US-0102114P.  
 PR 01-DEC-1998; 98US-0102510P.  
 PR 22-DEC-1998; 98US-0113296P.  
 PR 05-JAN-1999; 98US-0100106P.  
 PR 08-MAR-1999; 98US-0100502P.  
 PR 12-MAR-1999; 98US-0123957P.  
 PR 02-JUN-1999; 98US-0125252P.  
 PR 23-JUN-1999; 98US-0141037P.  
 PR 07-JUL-1999; 98US-0143048P.  
 PR 20-JUL-1999; 98US-0144758P.  
 PR 26-JUL-1999; 98US-0145698P.  
 PR 28-JUL-1999; 98US-0146222P.  
 PR 17-AUG-1999; 98US-0149336P.  
 PR 15-SEP-1999; 98US-0150210P.  
 PR 15-SEP-1999; 98US-0150215P.  
 PR 08-OCT-1999; 98US-0158663P.  
 PR 30-NOV-1999; 98US-0158663P.  
 PR 01-DEC-1999; 98US-0228313P.  
 PR 01-DEC-1999; 98US-0228301P.  
 PR 01-DEC-1999; 98US-0228334P.

PR 16-DEC-1999; 98US-0228334P.  
 PR 20-DEC-1999; 98US-0228334P.  
 PR 05-JAN-2000; 98US-0228334P.  
 PR 06-JAN-2000; 98US-0228334P.  
 PR 11-FEB-2000; 98US-0228334P.  
 PR 18-FEB-2000; 98US-0228334P.  
 PR 22-FEB-2000; 98US-0228334P.  
 PR 24-FEB-2000; 98US-0228334P.  
 PR 24-FEB-2000; 98US-0228334P.  
 PR 02-MAR-2000; 98US-0228334P.  
 PR 10-MAR-2000; 98US-0228334P.  
 PR 15-MAR-2000; 98US-0228334P.  
 PR 30-MAR-2000; 98US-0228334P.  
 PR 15-MAY-2000; 98US-0228334P.  
 PR 17-MAY-2000; 98US-0228334P.  
 PR 22-MAY-2000; 98US-0228334P.  
 PR 30-MAY-2000; 98US-0228334P.  
 PR 02-JUN-2000; 98US-0228334P.  
 PR 23-JUN-2000; 98US-0228334P.

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRCATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISLWRLGRLMCTPLGREGECC 60  
 Db 1 MRCATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISLWRLGRLMCTPLGREGECC 60

Qy 61 HPGSHKVPFRKXKHTCTCLPMLCSRPDPGRYRCMDLKNINF 105  
 Db 61 HPGSHKVPFRKXKHTCTCLPMLCSRPDPGRYRCMDLKNINF 105

RESULT 74  
 ADA74596  
 ID ADA74596 standard; protein; 105 AA.  
 XX ADA74596;  
 XX ADA74596;  
 DT 20-NOV-2003 (first entry)  
 DE Human PRO polypeptide #235.  
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX Homo sapiens.  
 OS US2003068798-A1.  
 PN US2003068798-A1.  
 XX US2003068798-A1.  
 PD 10-APR-2003.  
 XX 10-APR-2003.  
 XX 07-MAY-2002; 2002US-00140928.  
 PR 31-MAR-1997; 98US-0005230.  
 PR 12-JUN-1998; 98US-0012456.  
 PR 14-JUL-1998; 98US-0014552.  
 PR 28-AUG-1998; 98US-0017888.  
 PR 10-SEP-1998; 98US-0018824.  
 PR 14-SEP-1998; 98US-0019093.  
 PR 14-SEP-1998; 98US-0019094.  
 PR 14-SEP-1998; 98US-0019177.  
 PR 16-SEP-1998; 98US-0019330.  
 PR 17-SEP-1998; 98US-0019437.



PR	07-OCT-1998;	98WO-US021141.	PR	25-MAY-2001;	2001WO-US017092.
PR	29-OCT-1998;	98WO-US022991.	PR	01-JUN-2001;	2001US-00872035.
PR	29-OCT-1998;	98WO-US022992.	PR	01-JUN-2001;	2001WO-US017800.
PR	20-NOV-1998;	98WO-US024855.	PR	05-JUN-2001;	2001US-00874503.
PR	01-DEC-1998;	98WO-US025108.	PR	14-JUN-2001;	2001US-00882636.
PR	08-JAN-1999;	99WO-US000106.	PR	19-JUN-2001;	2001US-00886342.
PR	05-MAR-1999;	99WO-US005190.	PR	20-JUN-2001;	2001WO-US019692.
PR	10-MAR-1999;	99WO-US008615.	PR	21-JUN-2001;	2001WO-US0887879.
PR	20-APR-1999;	99WO-US010733.	PR	22-JUN-2001;	2001WO-US020116.
PR	14-MAY-1999;	99WO-US012252.	PR	29-JUN-2001;	2001WO-US021066.
PR	01-SEP-1999;	99WO-US020111.	PR	09-JUL-2001;	2001WO-US021735.
PR	08-SEP-1999;	99WO-US020594.	PR	18-JUL-2001;	2001US-00908827.
PR	13-SEP-1999;	99WO-US020944.	PR	06-AUG-2001;	2001US-00924419.
PR	15-SEP-1999;	99WO-US021090.	PR	09-AUG-2001;	2001US-00927796.
PR	15-SEP-1999;	99WO-US021547.	PR	16-AUG-2001;	2001US-00931836.
PR	05-OCT-1999;	99WO-US023089.	PR	19-DEC-2001;	2001US-00028072.
PR	29-NOV-1999;	99WO-US028214.	XX		
PR	30-NOV-1999;	99WO-US028313.	PA	(GETH ) GENENTECH INC.	
PR	30-NOV-1999;	99WO-US028409.	XX		
PR	01-DEC-1999;	99WO-US028401.	PI	Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;	
PR	01-DEC-1999;	99WO-US028634.	PI	Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;	
PR	02-DEC-1999;	99WO-US028551.	PI	Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;	
PR	02-DEC-1999;	99WO-US028564.	XX		
PR	02-DEC-1999;	99WO-US028565.	XX		
PR	16-DEC-1999;	99WO-US030095.	DR	WPI; 2003-625490/59.	
PR	20-DEC-1999;	99WO-US030911.	DR	N-PSDB; ADA74595.	
PR	20-DEC-1999;	99WO-US030999.	XX		
PR	22-DEC-1999;	99WO-US030720.	PT	Novel secreted and transmembrane PRO polypeptides and polynucleotides	
PR	30-DEC-1999;	99WO-US031243.	PT	encoding them, useful for treating bone disorders, arthritis, heart	
PR	05-JAN-2000;	2000WO-US000219.	PT	attack, injuries, tumors, and stimulating release of Tumor Necrosis	
PR	06-JAN-2000;	2000WO-US000277.	PT	Factor-alpha from human blood.	
PR	11-FEB-2000;	2000WO-US003365.	XX		
PR	18-FEB-2000;	2000WO-US004341.	XX		
PR	18-FEB-2000;	2000WO-US004342.	XX		
PR	24-FEB-2000;	2000WO-US004414.	XX		
PR	24-FEB-2000;	2000WO-US004914.	XX		
PR	24-FEB-2000;	2000WO-US005004.	XX		
PR	01-MAR-2000;	2000WO-US005601.	XX		
PR	02-MAR-2000;	2000WO-US005746.	XX		
PR	02-MAR-2000;	2000WO-US005841.	XX		
PR	15-MAR-2000;	2000WO-US006319.	XX		
PR	20-MAR-2000;	2000WO-US006884.	XX		
PR	21-MAR-2000;	2000WO-US007377.	XX		
PR	21-MAR-2000;	2000WO-US007532.	XX		
PR	30-MAR-2000;	2000WO-US008439.	XX		
PR	17-MAY-2000;	2000WO-US013705.	XX		
PR	22-MAY-2000;	2000WO-US014042.	XX		
PR	30-MAY-2000;	2000WO-US014941.	XX		
PR	02-JUN-2000;	2000WO-US015264.	XX		
PR	28-JUL-2000;	2000WO-US020710.	XX		
PR	11-AUG-2000;	2000WO-US022031.	XX		
PR	23-AUG-2000;	2000WO-US023522.	XX		
PR	24-AUG-2000;	2000WO-US023328.	XX		
PR	08-NOV-2000;	2000WO-US030952.	XX		
PR	10-NOV-2000;	2000WO-US030873.	XX		
PR	01-DEC-2000;	2000WO-US032678.	XX		
PR	20-DEC-2000;	2000US-0074259.	XX		
PR	28-FEB-2001;	2000WO-US034956.	XX		
PR	28-FEB-2001;	2001US-00736498.	XX		
PR	01-MAR-2001;	2001WO-US006520.	XX		
PR	09-MAR-2001;	2001WO-US006666.	XX		
PR	24-MAR-2001;	2001US-00802706.	XX		
PR	05-APR-2001;	2001US-00808689.	XX		
PR	10-MAY-2001;	2001US-00816744.	XX		
PR	20-MAY-2001;	2001US-00828366.	XX		
PR	10-MAY-2001;	2001US-00854208.	XX		
PR	18-MAY-2001;	2001US-00860216.	XX		
PR	25-MAY-2001;	2001US-00866028.	XX		
PR	25-MAY-2001;	2001US-00866034.	XX		

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 105 AA;

USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).



QY 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTLGRGEEC 60  
 DB 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTLGRGEEC 60  
 QY 61 HPGSHKVPFFRRKHHHTCPLNLLCSRPDPGRVRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKHHHTCPLNLLCSRPDPGRVRCSDMLKNINF 105

RESULT 75  
 ADB24829  
 ID ADB24829 standard; protein; 105 AA.  
 XX  
 AC ADB24829;  
 XX  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Human PRO polypeptide SEQ ID NO 470.  
 XX  
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US200307713-A1.  
 XX  
 PD 24-APR-2003.  
 XX  
 PF 22-APR-2002; 2002US-00127839.  
 XX  
 PR 05-JUN-2000; 2000US-0209832P.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tamas D, Watanabe CK, Wood WI, Zhang Z;  
 DR WPI; 2003-755068/71.  
 DR N-PSDB; ADB24828.  
 XX  
 PT New isolated, secreted and transmembrane PRO polypeptides and nucleic  
 PT acids, useful for the diagnosis, prevention and/or treatment of tumors,  
 PT such as lung, colon, breast, prostate, rectal, cervical and/or liver  
 PT tumors.  
 XX  
 PS Claim 12; Fig 470; 637pp; English.  
 XX  
 CC The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a

CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at seqdata.uspto.gov/sequence.html.  
 XX

SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTLGRGEEC 60  
 DB 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTLGRGEEC 60  
 QY 61 HPGSHKVPFFRRKHHHTCPLNLLCSRPDPGRVRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKHHHTCPLNLLCSRPDPGRVRCSDMLKNINF 105

RESULT 76

ADA82353  
 ID ADA82353 standard; protein; 105 AA.

AC ADA82353;

DT 20-NOV-2003 (first entry)

DE Human PRO polypeptide #235.

KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.

OS Homo sapiens.

PN US2003082701-A1.

PD 01-MAY-2003.

PF 23-APR-2002; 2002US-00128686.

PR 31-AUG-1998; 98US-0098525P.  
 PR 16-SEP-1998; 98US-0100634P.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 25-AUG-1999; 99US-00380137.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.

PA (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tamas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-755110/71.  
DR N-PSDB; ADA82352.  
XX  
PI PRO nucleic acid, useful for preparing a composition for treating e.g.,  
PI tumor or for tissue typing.  
PS  
PS Claim 12; Fig 470; 637pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are  
XX useful in the development and screening of therapeutically useful  
XX reagents. The PRO polypeptides or antibodies are used in preparing a  
XX medicament for treating a condition responsive to the polypeptides or  
XX antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX of human microvascular endothelial cells, for modulating the uptake of  
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for  
XX stimulating differentiation of adipocyte cells, for stimulating  
XX proliferation of or gene expression in pericyte cells, for stimulating  
XX the proliferation of inner ear utricular supporting cells or T-lymphocyte  
XX cells, for inducing endothelial cell tube formation and for treating  
XX various bone and/or cartilage disorders such as sports injuries and  
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans  
XX from cartilage are useful for treating sports-related joint problems, PRO  
XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
XX polypeptides are also useful for treating various mammalian haemoglobin-  
XX associated disorders such as various thalassaemias and conditions which  
XX may benefit from enhanced local immune system cell infiltration. This  
XX sequence represents a human PRO polypeptide of the invention. Note: The  
XX sequence data for this patent is also available in electronic format from  
XX USPTO at seqdata.uspto.gov/sequence.html.  
XX  
SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCACISILWLRGLMCTPLGREGEC 60  
Db 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCACISILWLRGLMCTPLGREGEC 60  
QY 61 HPGSHKVPFRKRKHTCPCLPNLLCSFPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFRKRKHTCPCLPNLLCSFPDGRYRCSMDLKNINF 105  
RESULT 77  
ADA75316  
ID ADA75316 standard; protein; 105 AA.  
XX  
AC ADA75316;  
XX  
XX 20-NOV-2003. (first entry)  
DT  
XX Human PRO polypeptide #235.  
DE  
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
XW

KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
KW liver; microvascular endothelial cell; glucose; FFA;  
KW skeletal muscle cell; adipocyte cell; pericyte cell;  
KW inner ear utricular supporting cell; T-lymphocyte cell;  
KW endothelial cell tube formation; bone disorder; cartilage disorder;  
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
KW immune system cell infiltration.  
XX  
XX Homo sapiens.  
XX  
XX US2003073216-A1.  
XX  
XX 17-APR-2003.  
XX  
XX 30-MAY-2002; 2002US-00160498.  
XX  
XX 31-MAR-1997; 97WO-US005230.  
XX 12-JUN-1998; 98WO-US012456.  
XX 14-JUL-1998; 98WO-US014552.  
XX 28-AUG-1998; 98WO-US017888.  
XX 10-SEP-1998; 98WO-US018824.  
XX 14-SEP-1998; 98WO-US019093.  
XX 14-SEP-1998; 98WO-US019177.  
XX 16-SEP-1998; 98WO-US019330.  
XX 17-SEP-1998; 98WO-US019437.  
XX 07-OCT-1998; 98WO-US021141.  
XX 29-OCT-1998; 98WO-US022991.  
XX 29-OCT-1998; 98WO-US024855.  
XX 20-NOV-1998; 98WO-US025108.  
XX 01-DEC-1998; 98WO-US025106.  
XX 05-JAN-1999; 98WO-US025106.  
XX 08-MAR-1999; 98WO-US025106.  
XX 20-APR-1999; 98WO-US025106.  
XX 14-MAY-1999; 98WO-US025106.  
XX 02-JUN-1999; 98WO-US025106.  
XX 01-SEP-1999; 98WO-US025106.  
XX 08-SEP-1999; 98WO-US025106.  
XX 13-SEP-1999; 98WO-US025106.  
XX 15-SEP-1999; 98WO-US025106.  
XX 05-OCT-1999; 98WO-US025106.  
XX 29-NOV-1999; 98WO-US025106.  
XX 30-NOV-1999; 98WO-US025106.  
XX 01-DEC-1999; 98WO-US025106.  
XX 01-DEC-1999; 98WO-US025106.  
XX 02-DEC-1999; 98WO-US025106.  
XX 02-DEC-1999; 98WO-US025106.  
XX 16-DEC-1999; 98WO-US025106.  
XX 20-DEC-1999; 98WO-US025106.  
XX 22-DEC-1999; 98WO-US025106.  
XX 30-DEC-1999; 98WO-US025106.  
XX 05-JAN-2000; 2000WO-US000219.  
XX 06-JAN-2000; 2000WO-US000219.  
XX 06-JAN-2000; 2000WO-US000219.  
XX 11-FEB-2000; 2000WO-US000219.  
XX 18-FEB-2000; 2000WO-US000219.  
XX 22-FEB-2000; 2000WO-US000219.  
XX 24-FEB-2000; 2000WO-US000219.  
XX 24-FEB-2000; 2000WO-US000219.  
XX 01-MAR-2000; 2000WO-US000219.  
XX 02-MAR-2000; 2000WO-US000219.  
XX 02-MAR-2000; 2000WO-US000219.  
XX 10-MAR-2000; 2000WO-US000219.  
XX 15-MAR-2000; 2000WO-US000219.

20-MAR-2000; 2000WO-US007377.  
21-MAR-2000; 2000WO-US007532.  
30-MAR-2000; 2000WO-US008439.  
17-MAY-2000; 2000WO-US013705.  
22-MAY-2000; 2000WO-US014042.  
30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006550.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 10-MAY-2001; 2001US-00854280.  
PR 18-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908927.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX XX  
FA (GETH ) GENENTECH INC.  
XX XX  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-765392/72.  
XX N-PSDB; ADA75315.  
XX  
XX New secreted and transmembrane PRO polypeptides useful for stimulating  
PT the release of tumor necrosis factor alpha in human blood and detecting  
PT the presence of tumor in a mammal.  
XX  
XX Claim 12; Fig 470; 638pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumor necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are

useful in the development and screening of therapeutically useful  
reagents. The PRO polypeptides or antibodies are used in preparing a  
medicament for treating a condition responsive to the polypeptides or  
antibodies, such as tumours, for stimulating and inhibiting proliferation  
of human microvascular endothelial cells, for modulating the uptake of  
glucose or FFA by skeletal muscle cells or adipocyte cells, for  
stimulating differentiation of adipocyte cells, for stimulating  
proliferation of or gene expression in pericyte cells, for stimulating  
the proliferation of inner ear utricular supporting cells or T-lymphocyte  
cells, for inducing endothelial cell tube formation and for treating  
various bone and/or cartilage disorders such as sports injuries and  
arthritis. PRO polypeptides which stimulate the release of proteoglycans  
from cartilage are useful for treating sports-related joint problems,  
articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
polypeptides are also useful for treating various mammalian haemoglobin-  
associated disorders such as various thalassaemias and conditions which  
may benefit from enhanced local immune system cell infiltration. This  
sequence represents a human PRO polypeptide of the invention. Note: The  
sequence data for this patent is also available in electronic format from  
USPTO at seqdata.uspto.gov/sequence.html.  
XX  
XX Sequence 105 AA;  
XX  
Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIIMLLIVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLGREGEC 60  
DB 1 MRGATRVSIIMLLIVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105  
RESULT 78  
ADA85394  
ID ADA85394 standard; protein; 105 AA.  
XX  
AC ADA85394;  
XX  
DT 20-NOV-2003 (first entry)  
XX  
DE Novel human secreted and transmembrane protein PRO1186.  
XX  
KW Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW Glucose uptake modulator; FFA uptake modulator;  
KW Cell proliferation stimulator; cell differentiation stimulator;  
KW Cell differentiation inhibitor; cytokine release stimulator;  
KW Lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW Cervical tumour; liver tumour; chromosome mapping; gene mapping;  
XX Gene therapy; chromosome identification; chromosome marker.  
XX  
OS Homo sapiens.  
XX  
PN US2003082695-A1.  
XX  
PD -01-MAY-2003.  
XX  
XX 22-APR-2002; 2002US-00127846.  
XX  
XX 03-MAR-2000; 2000US-0187202P.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 19-DEC-2001; 2001US-00028072.  
XX  
XX (GETH ) GENENTECH INC.  
XX  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX

DR WPI: 2003-786909/74.  
 DR N-PSDB; ADA85393.  
 XX  
 PT New nucleic acid encoding a PRO polypeptide, useful for preparing a  
 PT composition for treating e.g. tumor by gene therapy, or for tissue  
 PT typing.  
 XX  
 XX  
 PS Claim 12; Fig 470; 637pp; English.  
 XX  
 CC The invention describes 305 nucleic acids encoding PRO (secreted and  
 CC transmembrane) polypeptides (I). (I) is useful for stimulating the  
 CC release of TNF-alpha from human blood, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating the proliferation or differentiation of chondrocyte cells,  
 CC for stimulating the proliferation of or gene expression in pericyte  
 CC cells, for stimulating the release of proteoglycans from cartilage, for  
 CC stimulating the proliferation of T-lymphocyte cells, for stimulating  
 CC the release of a cytokine from BMC cells, for inhibiting the binding of  
 CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte  
 CC cells, for stimulating proliferation of endothelial cells, for detecting  
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,  
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
 CC are useful for isolating genomic and cDNA nucleotide sequences or  
 CC in assays to identify other proteins or molecules involved in binding  
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
 CC and gene mapping, in generation of antisense RNA and DNA, in the  
 CC preparation of PRO polypeptide, for generating transgenic animals or  
 CC knockout animals which in turn are useful in the development and  
 CC screening of therapeutically useful reagents, in gene therapy, for  
 CC chromosome identification, as chromosome marker, and for generating  
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
 CC detecting its expression in specific cells, tissues or serum, and for  
 CC affinity purification of PRO from recombinant cell culture or natural  
 CC sources. (I) and (II) are useful for tissue typing. This is the amino  
 CC acid sequence of a novel human secreted and transmembrane PRO  
 CC polypeptide.  
 XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. NO. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGEC 60  
 QY 61 HPGSHKVPFFRRKHHTCTCPLNLLCSRFDDGGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKHHTCTCPLNLLCSRFDDGGRYRCSDMLKNINF 105

## RESULT 79

ADA84842  
 ID ADA84842 standard; protein; 105 AA.

AC ADA84842;

DT 20-NOV-2003 (first entry)

XX Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; PRO;  
 KW Tumour necrosis factor alpha release; TNF-alpha release;  
 KW glucose uptake modulator; FFA uptake modulator;  
 KW cell proliferation stimulator; cell differentiation stimulator;  
 KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
 KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.

OS Homo sapiens.  
 XX US2003082706-A1.  
 XX  
 PD 01-MAY-2003.  
 XX  
 XX 15-MAY-2002; 2002US-00146729.  
 XX  
 XX 05-JUN-2000; 2000US-0209832P.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 XX (GETH ) GENENTECH INC.  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI: 2003-786911/74.  
 DR N-PSDB; ADA84841.  
 DR  
 PT New PRO nucleic acid, useful for preparing a composition for treating  
 PT e.g. tumor or for tissue typing.  
 XX  
 XX Claim 12; Fig 470; 637pp; English.  
 XX The invention describes 305 nucleic acids encoding PRO (secreted and  
 CC transmembrane) polypeptides (I). (I) is useful for stimulating the  
 CC release of TNF-alpha from human blood, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating the proliferation or differentiation of chondrocyte cells,  
 CC for stimulating the proliferation of or gene expression in pericyte  
 CC cells, for stimulating the release of proteoglycans from cartilage, for  
 CC stimulating the proliferation of T-lymphocyte cells, for stimulating  
 CC the release of a cytokine from BMC cells, for inhibiting the binding of  
 CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte  
 CC cells, for stimulating proliferation of endothelial cells, for detecting  
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,  
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
 CC are useful for isolating genomic and cDNA nucleotide sequences or  
 CC in assays to identify other proteins or molecules involved in binding  
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
 CC and gene mapping, in generation of antisense RNA and DNA, in the  
 CC preparation of PRO polypeptide, for generating transgenic animals or  
 CC knockout animals which in turn are useful in the development and  
 CC screening of therapeutically useful reagents, in gene therapy, for  
 CC chromosome identification, as chromosome marker, and for generating  
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
 CC detecting its expression in specific cells, tissues or serum, and for  
 CC affinity purification of PRO from recombinant cell culture or natural  
 CC sources. (I) and (II) are useful for tissue typing. This is the amino  
 CC acid sequence of a novel human secreted and transmembrane PRO  
 CC polypeptide.  
 XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. NO. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGEC 60  
 QY 61 HPGSHKVPFFRRKHHTCTCPLNLLCSRFDDGGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKHHTCTCPLNLLCSRFDDGGRYRCSDMLKNINF 105

RESULT 80  
 ADB30098

ID ADB30098 standard; protein; 105 AA.  
 AC ADB30098;  
 XX  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Human PRO polypeptide #235.  
 XX  
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003073214-A1.  
 XX  
 PD 17-APR-2003.  
 XX  
 PF 17-APR-2002; 2002US-00124822.  
 XX  
 PR 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019177.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 29-OCT-1998; 98WO-US022991.  
 PR 29-OCT-1998; 98WO-US022992.  
 PR 01-DEC-1998; 98WO-US024555.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 10-MAR-1999; 99WO-US005190.  
 PR 20-APR-1999; 99WO-US008615.  
 PR 14-MAY-1999; 99WO-US010733.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 08-SEP-1999; 99WO-US020594.  
 PR 13-SEP-1999; 99WO-US020944.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 05-OCT-1999; 99WO-US023089.  
 PR 29-NOV-1999; 99WO-US028214.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 30-NOV-1999; 99WO-US028409.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
 PR 02-DEC-1999; 99WO-US028565.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 20-DEC-1999; 99WO-US030999.  
 PR 22-DEC-1999; 99WO-US030720.  
 PR 30-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 11-FEB-2000; 2000WO-US000376.  
 PR 18-FEB-2000; 2000WO-US0003565.  
 PR 18-FEB-2000; 2000WO-US0004341.

PR 18-FEB-2000; 2000WO-US0004342.  
 PR 22-FEB-2000; 2000WO-US0004414.  
 PR 24-FEB-2000; 2000WO-US0004914.  
 PR 01-MAR-2000; 2000WO-US0005004.  
 PR 02-MAR-2000; 2000WO-US0005601.  
 PR 01-MAR-2000; 2000WO-US005746.  
 PR 10-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006319.  
 PR 20-MAR-2000; 2000WO-US006884.  
 PR 21-MAR-2000; 2000WO-US007377.  
 PR 30-MAR-2000; 2000WO-US007532.  
 PR 17-MAY-2000; 2000WO-US008439.  
 PR 22-MAY-2000; 2000WO-US013705.  
 PR 30-MAY-2000; 2000WO-US014042.  
 PR 02-JUN-2000; 2000WO-US014941.  
 PR 28-JUL-2000; 2000WO-US015264.  
 PR 11-AUG-2000; 2000WO-US020710.  
 PR 23-AUG-2000; 2000WO-US022031.  
 PR 24-AUG-2000; 2000WO-US023522.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030952.  
 PR 01-DEC-2000; 2000WO-US030873.  
 PR 20-DEC-2000; 2000US-00747259.  
 PR 28-FEB-2001; 2000WO-US034956.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 01-MAR-2001; 2001WO-US006650.  
 PR 09-MAR-2001; 2001WO-US006666.  
 PR 14-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00808689.  
 PR 05-APR-2001; 2001US-00816744.  
 PR 10-MAY-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854208.  
 PR 18-MAY-2001; 2001US-00854280.  
 PR 25-MAY-2001; 2001US-00860216.  
 PR 25-MAY-2001; 2001US-00866038.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001WO-US017092.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 05-JUN-2001; 2001US-00874503.  
 PR 14-JUN-2001; 2001US-00882636.  
 PR 19-JUN-2001; 2001US-00886342.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 21-JUN-2001; 2001US-00887879.  
 PR 22-JUN-2001; 2001WO-US020116.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 18-JUL-2001; 2001US-00908827.  
 PR 06-AUG-2001; 2001US-00924419.  
 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.

(GETH ) GENENTECH INC.

Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-720081/68.

N-PSDB; ADB30097.

Novel secreted and transmembrane PRO polypeptides useful for stimulating  
 the release of tumor necrosis factor alpha and detecting the presence of  
 a tumor in a mammal.

Claim 12; Fig 470; 638pp; English.

The invention relates to isolated human PRO polypeptides (secreted and  
 transmembrane polypeptides) and the polynucleotides encoding them. The  
 invention also relates to an antibody which specifically binds to a PRO  
 polypeptide, a method for stimulating the release of tumour necrosis

CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC the USPTO website at [seqdata.uspto.gov](http://seqdata.uspto.gov).

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60

Db 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKXKHTTCCPLNLLCSRPDPGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRKXKHTTCCPLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 81

ADA80626

ID ADA80626 standard; protein; 105 AA.

XX AC ADA80626;

XX DT 20-NOV-2003 (first entry)

DE DE Human PRO polypeptide #235.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.

XX OS Homo sapiens.

XX PN US2003082761-A1.

XX PD 01-MAY-2003.

XX FF 12-APR-2002; 2002US-00121061.

XX 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019177.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 29-OCT-1998; 98WO-US022891.  
 PR 29-OCT-1998; 98WO-US022892.  
 PR 29-OCT-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 10-MAR-1999; 99WO-US005190.  
 PR 20-APR-1999; 99WO-US008615.  
 PR 14-MAY-1999; 99WO-US010733.  
 PR 02-JUN-1999; 99WO-US012852.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 08-SEP-1999; 99WO-US020594.  
 PR 13-SEP-1999; 99WO-US020944.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 05-OCT-1999; 99WO-US023089.  
 PR 29-NOV-1999; 99WO-US028214.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 30-NOV-1999; 99WO-US028409.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
 PR 02-DEC-1999; 99WO-US028565.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 20-DEC-1999; 99WO-US030999.  
 PR 22-DEC-1999; 99WO-US030720.  
 PR 30-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US020311.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000US-00747259.  
 PR 20-DEC-2000; 2000WO-US034956.  
 PR 28-FEB-2001; 2001US-00796498.





CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCASISLWRLGRLMCTPLGREGECC 60  
 DB 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCASISLWRLGRLMCTPLGREGECC 60  
 QY 61 HPGSHKVPFRKRKHTCTCLPNLLCSRFPPDGRVCSMDLXNINF 105  
 DB 61 HPGSHKVPFRKRKHTCTCLPNLLCSRFPPDGRVCSMDLXNINF 105

RESULT 83

ADA38812  
 ID ADA38812 standard; protein; 105 AA.

XX AC ADA38812;

XX DT 20-NOV-2003 (first entry)

XX DE Human secreted/transmembrane protein PRO166.

XX KW PRO; secreted protein; transmembrane protein; gene therapy; tumour;  
 cancer; human; colon cancer; lung cancer; breast cancer.

XX OS Homo sapiens.

XX PN US2003059780-A1.

XX PD 27-MAR-2003.

XX PF 14-NOV-2001; 2001US-00991854.

XX PR 16-JUN-1997; 97US-0043787P.

XX PR 17-OCT-1997; 97US-0062250P.

XX PR 05-NOV-1997; 97WO-US020069.

XX PR 12-NOV-1997; 97US-0065186P.

XX PR 13-NOV-1997; 97US-0065311P.

XX PR 24-NOV-1997; 97US-0068770P.

XX PR 25-FEB-1998; 98US-0075943P.

XX PR 28-MAR-1998; 98US-0078910P.

XX PR 28-APR-1998; 98US-0083322P.

XX PR 07-MAY-1998; 98US-0084600P.

PR 28-MAY-1998; 98US-0087106P.  
 PR 02-JUN-1998; 98US-0087607P.  
 PR 02-JUN-1998; 98US-0087609P.  
 PR 02-JUN-1998; 98US-0087759P.  
 PR 03-JUN-1998; 98US-0087827P.  
 PR 04-JUN-1998; 98US-0088021P.  
 PR 04-JUN-1998; 98US-0088025P.  
 PR 04-JUN-1998; 98US-0088036P.  
 PR 04-JUN-1998; 98US-0088038P.  
 PR 04-JUN-1998; 98US-0088029P.  
 PR 04-JUN-1998; 98US-0088030P.  
 PR 04-JUN-1998; 98US-0088033P.  
 PR 04-JUN-1998; 98US-0088326P.  
 PR 05-JUN-1998; 98US-0088167P.  
 PR 05-JUN-1998; 98US-0088202P.  
 PR 05-JUN-1998; 98US-0088212P.  
 PR 05-JUN-1998; 98US-0088217P.  
 PR 09-JUN-1998; 98US-0088655P.  
 PR 10-JUN-1998; 98US-0088734P.  
 PR 10-JUN-1998; 98US-0088738P.  
 PR 10-JUN-1998; 98US-0088742P.  
 PR 10-JUN-1998; 98US-0088810P.  
 PR 10-JUN-1998; 98US-0088824P.  
 PR 10-JUN-1998; 98US-0088826P.  
 PR 11-JUN-1998; 98US-0088858P.  
 PR 11-JUN-1998; 98US-0088861P.  
 PR 11-JUN-1998; 98US-0088876P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 16-JUN-1998; 98US-0089440P.  
 PR 16-JUN-1998; 98US-0089512P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089532P.  
 PR 17-JUN-1998; 98US-0089538P.  
 PR 17-JUN-1998; 98US-0089598P.  
 PR 17-JUN-1998; 98US-0089599P.  
 PR 17-JUN-1998; 98US-0089600P.  
 PR 17-JUN-1998; 98US-0089653P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 19-JUN-1998; 98US-0089947P.  
 PR 19-JUN-1998; 98US-0089948P.  
 PR 19-JUN-1998; 98US-0089952P.  
 PR 22-JUN-1998; 98US-0090246P.  
 PR 22-JUN-1998; 98US-0090252P.  
 PR 22-JUN-1998; 98US-0090254P.  
 PR 23-JUN-1998; 98US-0090349P.  
 PR 23-JUN-1998; 98US-0090355P.  
 PR 24-JUN-1998; 98US-0090429P.  
 PR 24-JUN-1998; 98US-0090431P.  
 PR 24-JUN-1998; 98US-0090435P.  
 PR 24-JUN-1998; 98US-0090444P.  
 PR 24-JUN-1998; 98US-0090445P.  
 PR 24-JUN-1998; 98US-0090472P.  
 PR 24-JUN-1998; 98US-0090535P.  
 PR 24-JUN-1998; 98US-0090540P.  
 PR 24-JUN-1998; 98US-0090542P.  
 PR 25-JUN-1998; 98US-0090557P.  
 PR 25-JUN-1998; 98US-0090676P.  
 PR 25-JUN-1998; 98US-0090678P.  
 PR 25-JUN-1998; 98US-0090690P.  
 PR 25-JUN-1998; 98US-0090694P.  
 PR 25-JUN-1998; 98US-0090695P.  
 PR 25-JUN-1998; 98US-0090696P.  
 PR 26-JUN-1998; 98US-0090862P.  
 PR 26-JUN-1998; 98US-0090863P.  
 PR 01-JUL-1998; 98US-0091360P.  
 PR 01-JUL-1998; 98US-0091544P.  
 PR 02-JUL-1998; 98US-0091478P.  
 PR 02-JUL-1998; 98US-0091519P.  
 PR 02-JUL-1998; 98US-0091626P.  
 PR 02-JUL-1998; 98US-0091628P.  
 PR 02-JUL-1998; 98US-0091633P.



14



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Query Match          100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEBC 60
DB 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEBC 60
QY 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSFPDPGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSFPDPGRYRCSMDLKNINF 105

RESULT 85
ADB25389
ID ADB25389 standard; protein; 105 AA.
XX
AC ADB25389;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide SEQ ID NO 470.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003077715-A1.
XX
PD 24-APR-2003.
XX
PF 24-APR-2002; 2002US-00131837.
XX
PR 09-DEC-1999; 99US-0170262P.
PR 01-DEC-2000; 2000WO-US032678.

( GETH ) GENENTECH INC.
XX
PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WI; 2003-755070/71.
DR N-PSDB; ADB25389.
XX
PT New isolated, secreted and transmembrane PRO nucleic acids, useful for
PT the diagnosis, prevention and/or treatment of tumors, such as lung,
PT colon, breast, prostate, rectal, cervical and/or liver tumors.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
```

```
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems. PRO
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ Sequence 105 AA;
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Query Match          100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEBC 60
DB 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEBC 60
QY 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSFPDPGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSFPDPGRYRCSMDLKNINF 105
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## RESULT 86

ADA93565

ID ADA93565 standard; protein; 105 AA.

AC ADA93565;

DT 20-NOV-2003 (first entry)

DE Human PRO polypeptide #235.

KW Human; PRO; secreted polypeptide; transmembrane polypeptide;

KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

KW liver; microvascular endothelial cell; glucose; FFA;

KW skeletal muscle cell; adipocyte cell; pericyte cell;

KW inner ear utricular supporting cell; T-lymphocyte cell;

KW endothelial cell tube formation; bone disorder; cartilage disorder;

KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;

KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;

KW immune system cell infiltration.

OS Homo sapiens.

PN US2003077721-A1.

PD 24-APR-2003.

PF 24-APR-2002; 2002US-00131837.

PR 09-DEC-1999; 99US-0170262P.

PR 01-DEC-2000; 2000WO-US032678.

PR 19-DEC-2001; 2001US-00028072.  
 XX (GETH ) GENENTECH INC.  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-755076/71.  
 DR N-PSDB; ADA93564.  
 XX New PRO nucleic acid, useful for recombinantly producing a PRO  
 FT polypeptide and for manufacturing a medicament for diagnosing or treating  
 PT tumor.  
 XX Claim 12; Fig 470; 637pp; English.  
 XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
 XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MEGATRVSMILLVTVSCAVITGACERDVCCGAGTCCALSLMRLGLRMCTPLRGREGEC 60  
 Db |||||  
 QY 1 MEGATRVSMILLVTVSCAVITGACERDVCCGAGTCCALSLMRLGLRMCTPLRGREGEC 60  
 Db |||||  
 QY 61 HPGSHKVPFFRRKRKHTCPCLPCLNLLCSRFPDGRVRCSDMLKNINF 105  
 Db |||||  
 QY 61 HPGSHKVPFFRRKRKHTCPCLPCLNLLCSRFPDGRVRCSDMLKNINF 105  
 Db |||||  
 RESULT 87  
 ADB26915  
 ID ADB26915 standard; protein; 105 AA.  
 XX  
 AC ADB26915;  
 XX  
 DT 20-NOV-2003 (first entry)

XX DE Human PRO polypeptide #235.  
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX Homo sapiens.  
 XX US2003092147-A1.  
 XX 15-MAY-2003.  
 XX 11-APR-2002; 2002US-00121051.  
 PR 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 16-SEP-1998; 98WO-US019177.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 29-OCT-1998; 98WO-US022991.  
 PR 29-OCT-1998; 98WO-US022992.  
 PR 20-NOV-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 10-MAR-1999; 99WO-US005190.  
 PR 20-APR-1999; 99WO-US008615.  
 PR 14-MAY-1999; 99WO-US010733.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 08-SEP-1999; 99WO-US020594.  
 PR 13-SEP-1999; 99WO-US020944.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 05-OCT-1999; 99WO-US023089.  
 PR 29-NOV-1999; 99WO-US028214.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 01-DEC-1999; 99WO-US028409.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
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 PR 22-DEC-1999; 99WO-US030999.  
 PR 22-DEC-1999; 99WO-US030720.  
 PR 30-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
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 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
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 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.



PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019177.  
 PR 15-SEP-1998; 98WO-US019330.  
 PR 16-SEP-1998; 98WO-US019437.  
 PR 17-SEP-1998; 98WO-US021141.  
 PR 07-OCT-1998; 98WO-US022991.  
 PR 29-OCT-1998; 98WO-US022992.  
 PR 29-OCT-1998; 98WO-US022992.  
 PR 20-NOV-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US025108.  
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 PR 05-JAN-1999; 98WO-US000106.  
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 PR 10-MAR-1999; 98WO-US005190.  
 PR 20-APR-1999; 98WO-US008615.  
 PR 14-MAY-1999; 98WO-US010733.  
 PR 02-JUN-1999; 98WO-US012252.  
 PR 01-SEP-1999; 98WO-US020111.  
 PR 08-SEP-1999; 98WO-US020594.  
 PR 13-SEP-1999; 98WO-US020944.  
 PR 15-SEP-1999; 98WO-US021090.  
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 PR 30-NOV-1999; 98WO-US028313.  
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 PR 01-DEC-1999; 98WO-US028430.  
 PR 02-DEC-1999; 98WO-US028634.  
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 PR 02-DEC-1999; 98WO-US028564.  
 PR 16-DEC-1999; 98WO-US028565.  
 PR 16-DEC-1999; 98WO-US030095.  
 PR 20-DEC-1999; 98WO-US030911.  
 PR 20-DEC-1999; 98WO-US030999.  
 PR 22-DEC-1999; 98WO-US030720.  
 PR 30-DEC-1999; 98WO-US031274.  
 PR 30-DEC-1999; 98WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
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 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 10-MAR-2000; 2000WO-US005841.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000WO-US034956.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 01-MAR-2001; 2001WO-US006520.  
 PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00806889.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854308.  
 PR 10-MAY-2001; 2001US-00854308.  
 PR 18-MAY-2001; 2001US-00860216.  
 PR 25-MAY-2001; 2001US-00860208.  
 PR 25-MAY-2001; 2001US-00860334.  
 PR 25-MAY-2001; 2001WO-US017092.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 05-JUN-2001; 2001US-00874503.  
 PR 14-JUN-2001; 2001US-00882836.  
 PR 19-JUN-2001; 2001US-00886342.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 21-JUN-2001; 2001US-00887879.  
 PR 22-JUN-2001; 2001WO-US020116.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 18-JUL-2001; 2001US-00908827.  
 PR 06-AUG-2001; 2001US-00924419.  
 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 (GETH ) GENENTECH INC.  
 PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX  
 WPI: 2003-786990/74.  
 N-PSDB; ADB31201.  
 DR Novel isolated PRO polypeptide useful for treating diabetes, hyper- or  
 XX hypo-insulinemia, sports injuries, arthritis, obesity, stroke, heart  
 DR attack, various coagulation disorders, tumors.  
 XX  
 Claim 12; Fig 470; 638pp; English.  
 The invention relates to isolated human PRO polypeptides (secreted and  
 transmembrane polypeptides) and the polynucleotides encoding them. The  
 invention also relates to an antibody which specifically binds to a PRO  
 polypeptide, a method for stimulating the release of tumour necrosis  
 factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 proliferation or differentiation of chondrocyte cells and a method for  
 detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 polynucleotides are useful in molecular biology, including uses as  
 hybridisation probes, in chromosome and gene mapping, in generating  
 antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 be used in preparing PRO polypeptides by recombinant techniques and in  
 generating either transgenic animals or knock-out animals which are  
 useful in the development and screening of therapeutically useful  
 reagents. The PRO polypeptides or antibodies are used in preparing a  
 medicament for treating a condition responsive to the polypeptides or  
 antibodies, such as tumours, for stimulating and inhibiting proliferation  
 of human microvascular endothelial cells, for modulating the uptake of  
 glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 stimulating differentiation of adipocyte cells, for stimulating  
 proliferation of or gene expression in pericyte cells, for stimulating  
 the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 cells, for inducing endothelial cell tube formation and for treating  
 various bone and/or cartilage disorders such as sports injuries and  
 arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 from cartilage are useful for treating sports-related joint problems,  
 articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 polypeptides are also useful for treating various mammalian haemoglobin-  
 associated disorders such as various thalassemias and conditions which  
 may benefit from enhanced local immune system cell infiltration. This  
 sequence represents a human PRO polypeptide of the invention. Note: The  
 sequence data for this patent is also available in electronic format  
 the USPTO website at seqdata.uspto.gov.  
 XX  
 Sequence 105 AA;  
 SQ

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Query Match      100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels
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QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEEC 60

Db

1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

Db 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 89

ABJ72438  
ID ABJ72438 standard; protein; 105 AA.

XX ABJ72438;

XX  
DT 06-NOV-2003 (first entry)

XX DE Human PRO1186 protein.

XX  
KW blood; proliferation; pericyte cell; TNF alpha; chondrocyte;  
KW tumour necrosis factor; proliferation; differentiation; gene therapy;  
KW dermal fibroblast.

XX  
OS Homo sapiens.

XX  
PN  
US2003027988-A1

XX  
PD 06-FEB-2003

XX  
DE

[illegible]

PR 29-JUN-2001; 2001WO-US021066.

09-APR-2002; 2002US-00119480.  
XX

PA (GETH ) GENENTECH INC.  
XX

PI Baker KP, Desnoyers L  
PI Grimaldi JC, Gurnev A

XX WPI; 2003-503301/47.  
DR DR N-PSDB; ABT44591.  
DR DR

XX  
PT New PRO protein encoded

PT polypeptides and anti-PRO antibodies for detecting the presence of a  
PT tumor in a mammal.

XX PS Claim 11; Fig 166; 324pp; English.

The invention relates to a novel isolated PRO protein encoding nucleic acid. The nucleic acid of the invention may be useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of a tumour in a mammal. Furthermore, the molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells, the release of tumour necrosis factor (TNF)-alpha from human blood, the proliferation or differentiation of chondrocyte cells and for inhibiting the proliferation of normal human dermal fibroblast cells. Finally, the molecules may be utilised during gene therapy. The current sequence is that of the human PRO protein of the invention.

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Query Match          100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEEC 60



PR	16-JUN-1998;	98US-0089512P.	PR	17-AUG-1998;	98US-0096895P.
PR	16-JUN-1998;	98US-0089514P.	PR	17-AUG-1998;	98US-0096897P.
PR	17-JUN-1998;	98US-0089532P.	PR	18-AUG-1998;	98US-0096949P.
PR	17-JUN-1998;	98US-0089538P.	PR	18-AUG-1998;	98US-0096950P.
PR	17-JUN-1998;	98US-0089598P.	PR	18-AUG-1998;	98US-0096959P.
PR	17-JUN-1998;	98US-0089599P.	PR	18-AUG-1998;	98US-0096960P.
PR	17-JUN-1998;	98US-0089600P.	PR	19-AUG-1998;	98US-0097022P.
PR	17-JUN-1998;	98US-0089633P.	PR	20-AUG-1998;	98US-0097141P.
PR	18-JUN-1998;	98US-0089801P.	PR	24-AUG-1998;	98US-0097611P.
PR	18-JUN-1998;	98US-0089907P.	PR	26-AUG-1998;	98US-0097952P.
PR	18-JUN-1998;	98US-0089908P.	PR	26-AUG-1998;	98US-0097954P.
PR	19-JUN-1998;	98US-0089947P.	PR	26-AUG-1998;	98US-0097955P.
PR	19-JUN-1998;	98US-0089952P.	PR	26-AUG-1998;	98US-0097971P.
PR	22-JUN-1998;	98US-0090246P.	PR	26-AUG-1998;	98US-0097974P.
PR	22-JUN-1998;	98US-0090252P.	PR	26-AUG-1998;	98US-0097978P.
PR	23-JUN-1998;	98US-0090254P.	PR	26-AUG-1998;	98US-0097979P.
PR	23-JUN-1998;	98US-0090349P.	PR	26-AUG-1998;	98US-0097986P.
PR	23-JUN-1998;	98US-0090355P.	PR	26-AUG-1998;	98US-0098014P.
PR	24-JUN-1998;	98US-0090439P.	PR	31-AUG-1998;	98US-0098525P.
PR	24-JUN-1998;	98US-0090431P.	PR	16-SEP-1998;	98US-0100634P.
PR	24-JUN-1998;	98US-0090435P.	PR	17-SEP-1998;	98US-0100858P.
PR	24-JUN-1998;	98US-0090444P.	PR	17-SEP-1998;	98US-0100859P.
PR	24-JUN-1998;	98US-0090445P.	PR	07-OCT-1998;	98US-0100859P.
PR	24-JUN-1998;	98US-0090472P.	PR	01-DEC-1998;	98US-0100859P.
PR	24-JUN-1998;	98US-0090535P.	PR	22-DEC-1998;	98US-0113298P.
PR	24-JUN-1998;	98US-0090540P.	PR	05-JAN-1999;	98US-0113298P.
PR	24-JUN-1998;	98US-0090542P.	PR	08-MAR-1999;	98US-0123957P.
PR	24-JUN-1998;	98US-0090557P.	PR	12-MAR-1999;	98US-0123957P.
PR	25-JUN-1998;	98US-0090676P.	PR	02-JUN-1999;	98US-0123957P.
PR	25-JUN-1998;	98US-0090678P.	PR	23-JUN-1999;	98US-014037P.
PR	25-JUN-1998;	98US-0090690P.	PR	07-JUL-1999;	98US-014048P.
PR	25-JUN-1998;	98US-0090694P.	PR	20-JUL-1999;	98US-0144758P.
PR	25-JUN-1998;	98US-0090695P.	PR	26-JUL-1999;	98US-0145698P.
PR	25-JUN-1998;	98US-0090696P.	PR	28-JUL-1999;	98US-0146222P.
PR	25-JUN-1998;	98US-0090696P.	PR	17-AUG-1999;	98US-0149396P.
PR	26-JUN-1998;	98US-0090862P.	PR	15-SEP-1999;	98US-0149396P.
PR	26-JUN-1998;	98US-0090863P.	PR	15-SEP-1999;	98US-01547P.
PR	02-JUL-1998;	98US-00911360P.	PR	08-OCT-1999;	98US-0158663P.
PR	01-JUL-1998;	98US-00911544P.	PR	30-NOV-1999;	98US-0158663P.
PR	02-JUL-1998;	98US-0091478P.	PR	01-DEC-1999;	98US-0158663P.
PR	02-JUL-1998;	98US-0091519P.	PR	01-DEC-1999;	98US-0158663P.
PR	02-JUL-1998;	98US-0091626P.	PR	16-DEC-1999;	98US-0158663P.
PR	02-JUL-1998;	98US-0091628P.	PR	20-DEC-1999;	98US-0158663P.
PR	02-JUL-1998;	98US-0091633P.	PR	05-JAN-2000;	98US-0158663P.
PR	02-JUL-1998;	98US-0091646P.	PR	06-JAN-2000;	98US-0158663P.
PR	02-JUL-1998;	98US-0091673P.	PR	11-FEB-2000;	98US-0158663P.
PR	07-JUL-1998;	98US-0091978P.	PR	18-FEB-2000;	98US-0158663P.
PR	09-JUL-1998;	98US-0092182P.	PR	22-FEB-2000;	98US-0158663P.
PR	10-JUL-1998;	98US-0092472P.	PR	24-FEB-2000;	98US-0158663P.
PR	20-JUL-1998;	98US-0093339P.	PR	02-MAR-2000;	98US-0158663P.
PR	30-JUL-1998;	98US-0094651P.	PR	10-MAR-2000;	98US-0158663P.
PR	04-AUG-1998;	98US-0095282P.	PR	15-MAR-2000;	98US-0158663P.
PR	04-AUG-1998;	98US-0095282P.	PR	20-MAR-2000;	98US-0158663P.
PR	04-AUG-1998;	98US-0095301P.	PR	30-MAR-2000;	98US-0158663P.
PR	04-AUG-1998;	98US-0095302P.	PR	15-MAY-2000;	98US-0133358P.
PR	04-AUG-1998;	98US-0095318P.	PR	17-MAY-2000;	98US-0133358P.
PR	04-AUG-1998;	98US-0095322P.	PR	22-MAY-2000;	98US-0133358P.
PR	10-AUG-1998;	98US-0095916P.	PR	30-MAY-2000;	98US-0133358P.
PR	10-AUG-1998;	98US-0095929P.	PR	02-JUN-2000;	98US-0133358P.
PR	11-AUG-1998;	98US-0096012P.	PR	23-JUN-2000;	98US-0133358P.
PR	11-AUG-1998;	98US-0096143P.	PR		
PR	11-AUG-1998;	98US-0096146P.	PR		
PR	12-AUG-1998;	98US-0096229P.	PR		
PR	17-AUG-1998;	98US-0096757P.	PR		
PR	17-AUG-1998;	98US-0096766P.	PR		
PR	17-AUG-1998;	98US-0096768P.	PR		
PR	17-AUG-1998;	98US-0096773P.	PR		
PR	17-AUG-1998;	98US-0096791P.	PR		
PR	17-AUG-1998;	98US-0096867P.	PR		
PR	17-AUG-1998;	98US-0096891P.	PR		
PR	17-AUG-1998;	98US-0096894P.	PR		

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLGREGEC 60  
Db 1 MRGATRVISIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLGREGEC 60  
Qy 61 HPGSHKVPFFRKHKHTCPLPNLLCSRFPDGRYCSMDLNINF 105



Db 61 HFGSHKVPFRKXKHTCPCLNLLCSRPDGRYRCSDWLKNINF 105  
 RESULT 91  
 ADA61130  
 ID ADA61130 standard; protein; 105 AA.  
 AC ADA61130;  
 XX  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Homo sapiens.  
 XX  
 KW Human; secreted and transmembrane protein; PRO;  
 KW Tumour necrosis factor alpha release; TNF-alpha release;  
 KW glucose uptake modulator; PFA uptake modulator;  
 KW Cell proliferation stimulator; cell differentiation stimulator;  
 KW Cell differentiation inhibitor; cytokine release stimulator; tumour;  
 KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.  
 XX  
 OS Novel.  
 OS human.  
 OS secreted.  
 OS and.  
 OS transmembrane.  
 OS protein.  
 OS PRO1186.  
 XX  
 PN US2003049817-A1.  
 XX  
 PD 13-MAR-2003.  
 XX  
 PF 10-MAY-2002; 2002US-00142423.  
 XX  
 PR 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 16-SEP-1998; 98WO-US019377.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 29-OCT-1998; 98WO-US022991.  
 PR 29-OCT-1998; 98WO-US022992.  
 PR 20-NOV-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 10-MAR-1999; 99WO-US005190.  
 PR 20-APR-1999; 99WO-US008615.  
 PR 14-MAY-1999; 99WO-US010733.  
 PR 02-JUN-1999; 99WO-US012352.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 08-SEP-1999; 99WO-US020594.  
 PR 13-SEP-1999; 99WO-US020944.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 05-OCT-1999; 99WO-US023089.  
 PR 29-NOV-1999; 99WO-US028214.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 01-DEC-1999; 99WO-US028409.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
 PR 02-DEC-1999; 99WO-US028565.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 20-DEC-1999; 99WO-US030999.  
 PR 22-DEC-1999; 99WO-US030720.  
 PR 30-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000US-00747259.  
 PR 20-DEC-2000; 2000WO-US034956.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00806889.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854208.  
 PR 18-MAY-2001; 2001US-00860216.  
 PR 25-MAY-2001; 2001US-00860328.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001WO-US017092.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 05-JUN-2001; 2001US-00874503.  
 PR 14-JUN-2001; 2001US-00882636.  
 PR 19-JUN-2001; 2001US-00886342.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 21-JUN-2001; 2001US-00887879.  
 PR 22-JUN-2001; 2001WO-US020116.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 18-JUL-2001; 2001US-00908827.  
 PR 06-AUG-2001; 2001US-00924419.  
 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.  
 PR 10-MAR-2009; 2000WO-US006319.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX  
 DR WPI; 2003-695893/66.  
 DR N-PSDB; ADA61129.  
 XX

PT	New secreted and transmembrane PRO polypeptide and nucleic acid, useful for manufacturing a medicament for diagnosing or treating tumor.	
XX		
PS	Claim 12; Fig 470; 658pp; English.	US2003077714-A1.
XX		24-APR-2003.
CC	The invention describes 305 nucleic acids encoding PRO (secreted and transmembrane) polypeptides (I). (I) is useful for stimulating the release of TNF-alpha from human blood, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the release of proteoglycans from cartilage cells, stimulating the proliferation of inner ear utricular supporting cells, for stimulating the proliferation of T-lymphocyte cells, for stimulating the release of a cytokine from BMC cells, for inhibiting the binding of A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte cells, for stimulating proliferation of endothelial cells, for detecting the presence of tumor in a mammal. The tumor is lung, colon, breast, prostate, rectal, cervical or liver tumor. The oligonucleotide probes are useful for isolating genomic and cDNA nucleotide sequences or antisense probes. (I) is also useful as therapeutic agent. PRO is useful in assays to identify other proteins or molecules involved in binding interaction. A polynucleotide (II) encoding (I) is useful in chromosome and gene mapping, in generation of antisense RNA and DNA, in the preparation of PRO polypeptide, for generating transgenic animals or knockout animals which in turn are useful in the development and screening of therapeutically useful reagents, in gene therapy, for chromosome identification, as chromosome marker, and for generating probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g. detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. (I) and (II) are useful for tissue typing. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide.	
XX		
SQ	Sequence 105 AA;	Claim 12; Fig 470; 637pp; English.
	Query Match 100.0%; Score 589; DB 6; Length 105;	
	Best Local Similarity 100.0%; Pred. No. 2.5e-54;	
	Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGMRMCTPLRGEGEC 60	
Db	1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGMRMCTPLRGEGEC 60	
QY	61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRVRCSDMLKXINF 105	
Db	61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRVRCSDMLKXINF 105	
RESULT 92		
ADB24277		
XX	ID ADB24277 standard; protein; 105 AA.	
XX	ADB24277;	
XX	20-NOV-2003 (first entry)	
DT	Human PRO polypeptide SEQ ID NO 470.	
DE	Human; PRO; secreted polypeptide; transmembrane polypeptide;	
KW	tumor necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumor;	
KW	cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;	
KW	liver; microvascular endothelial cell; glucose; FFA;	
KW	skeletal muscle cell; adipocyte cell; pericyte cell;	
KW	inner ear utricular supporting cell; T-lymphocyte cell;	
KW	endothelial cell tube formation; bone disorder; cartilage disorder;	
KW	sports injury; proteoglycan; articular cartilage defect; osteoarthritis;	
KW	rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;	
KW	immune system cell infiltration.	
XX		
OS	Homo sapiens.	
XX		
PN		US2003077714-A1.
XX		24-APR-2003.
PD		
XX		
PF		22-APR-2002; 2002US-00127901.
XX		
PR		17-JUN-1998; 98US-0089599P.
PR		02-JUN-1999; 99WO-US012252.
PR		25-AUG-1999; 99US-00380137.
PR		30-NOV-1999; 99WO-US028313.
PR		30-MAR-2000; 2000WO-US008439.
PR		01-DEC-2000; 2000WO-US032678.
PR		19-DEC-2001; 2001US-00028072.
XX	(GETH ) GENENTECH INC.	
PA		
XX		
XX		
PI	Baker KP, Beresini M, DeForce L, Desnoyers L, Filvaroff E, Gao W;	
PI	Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;	
PI	Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;	
XX		
DR	WPI; 2003-755069/71.	
DR	N-PSDB; ADB24276.	
XX		
PT	New isolated, secreted and transmembrane PRO polypeptides and nucleic acids, useful for the diagnosis, prevention and/or treatment of tumors, such as lung, colon, breast, prostate, rectal, cervical and/or liver tumors.	
XX		
PS	Claim 12; Fig 470; 637pp; English.	
XX		
CC	The invention relates to isolated human PRO polypeptides (secreted and transmembrane polypeptides) and the polynucleotides encoding them. The invention also relates to an antibody which specifically binds to a PRO polypeptide, a method for stimulating the release of tumor necrosis factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, PRO articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at <a href="http://seqdata.uspto.gov/sequence.html">seqdata.uspto.gov/sequence.html</a> .	
XX		
SQ	Sequence 105 AA;	Query Match 100.0%; Score 589; DB 6; Length 105;
	Best Local Similarity 100.0%; Pred. No. 2.5e-54;	
	Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGMRMCTPLRGEGEC 60	
Db	1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGMRMCTPLRGEGEC 60	
QY	61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRVRCSDMLKXINF 105	
Db	61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRVRCSDMLKXINF 105	
RESULT 92		
ADB24277		
XX	ID ADB24277 standard; protein; 105 AA.	
XX	ADB24277;	
XX	20-NOV-2003 (first entry)	
DT	Human PRO polypeptide SEQ ID NO 470.	
DE	Human; PRO; secreted polypeptide; transmembrane polypeptide;	
KW	tumor necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumor;	
KW	cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;	
KW	liver; microvascular endothelial cell; glucose; FFA;	
KW	skeletal muscle cell; adipocyte cell; pericyte cell;	
KW	inner ear utricular supporting cell; T-lymphocyte cell;	
KW	endothelial cell tube formation; bone disorder; cartilage disorder;	
KW	sports injury; proteoglycan; articular cartilage defect; osteoarthritis;	
KW	rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;	
KW	immune system cell infiltration.	
XX		
OS	Homo sapiens.	
XX		

QY 61 HPGSHKVPFRKXKHHHTCPCLPNLLCSRPDPGRYRCSDMLKKNINF 105  
 DB 61 HPGSHKVPFRKXKHHHTCPCLPNLLCSRPDPGRYRCSDMLKKNINF 105

RESULT 93  
 ADA96606  
 ID ADA96606 standard; protein; 105 AA.  
 XX  
 AC ADA96606;  
 XX  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Human PRO polypeptide #235.  
 XX  
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX  
 OS Homo sapiens.  
 XX  
 FN US2003082690-A1.  
 XX  
 PD 01-MAY-2003.  
 XX  
 PF 22-APR-2002; 2002US-00127837.  
 XX  
 PR 01-SEP-1998; 98US-0039750P.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 18-OCT-1999; 99US-00403297.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX  
 WPI; 2003-755107/71.  
 DR N-PSDB; ADA96605.  
 XX  
 PT PRO nucleic acid, useful for preparing a composition for treating e.g.,  
 PT tumor or for tissue typing.  
 XX  
 PS Claim 12; Fig 470; 637pp; English.  
 XX  
 CC The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or

antibodies, such as tumours, for stimulating and inhibiting proliferation  
 of human microvascular endothelial cells, for modulating the uptake of  
 glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 stimulating differentiation of adipocyte cells, for stimulating  
 proliferation of or gene expression in pericyte cells, for stimulating  
 the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 cells, for inducing endothelial cell tube formation and for treating  
 various bone and/or cartilage disorders such as sports injuries and  
 arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at seqdata.uspto.gov/sequence.html.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVISIMLLVTYSDCAVITGACERDVQCGAGTCCCAISLWRLGRMCTPLGREGEC 60  
 DB 1 MRGATRVISIMLLVTYSDCAVITGACERDVQCGAGTCCCAISLWRLGRMCTPLGREGEC 60  
 QY 61 HPGSHKVPFRKXKHHHTCPCLPNLLCSRPDPGRYRCSDMLKKNINF 105  
 DB 61 HPGSHKVPFRKXKHHHTCPCLPNLLCSRPDPGRYRCSDMLKKNINF 105

RESULT 94

ADA81178  
 ID ADA81178 standard; protein; 105 AA.

XX  
 AC ADA81178;  
 XX  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Human PRO polypeptide #235.  
 XX

KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.

XX Homo sapiens.

OS US2003082702-A1.

XX 01-MAY-2003.

XX 23-APR-2002; 2002US-00128690.

XX 02-MAR-2000; 2000WO-US005841.

PR 30-MAY-2000; 2000WO-US014941.

PR 01-DEC-2000; 2000WO-US032678.

PR 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

DR WPI; 2003-755111/71.  
 DR N-PSDB; ADA81177.  
 XX New PRO nucleic acid, useful for preparing a composition for treating  
 PT e.g., tumor or for tissue typing.  
 XX  
 XX  
 PS Claim 12; Fig 470; 637pp; English.  
 XX  
 CC The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems.  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
 XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCTCAISLWRLGLMCTPLGREGEC 60  
 Db 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCTCAISLWRLGLMCTPLGREGEC 60

QY 61 HPGSHKVPFFRRKHHHTCTCPLENLCSRFPPDGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFFRRKHHHTCTCPLENLCSRFPPDGRYRCSMDLKNINF 105

RESULT 95  
 ADA96054  
 ID ADA96054 standard; protein; 105 AA.  
 XX  
 AC ADA96054;  
 XX  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Human PRO polypeptide #235.  
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;

KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 XX immune system cell infiltration.  
 XX Homo sapiens.  
 XX OS  
 PN US2003082759-A1.  
 PD 01-MAY-2003.  
 XX  
 PF 11-APR-2002; 2002US-00121040.  
 XX  
 PR 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019177.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 29-OCT-1998; 98WO-US022991.  
 PR 29-OCT-1998; 98WO-US022992.  
 PR 20-NOV-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 10-MAR-1999; 99WO-US005190.  
 PR 20-APR-1999; 99WO-US008615.  
 PR 14-MAY-1999; 99WO-US010733.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 08-SEP-1999; 99WO-US020594.  
 PR 13-SEP-1999; 99WO-US020944.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 05-OCT-1999; 99WO-US023089.  
 PR 28-NOV-1999; 99WO-US028214.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 30-NOV-1999; 99WO-US028409.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
 PR 02-DEC-1999; 99WO-US028565.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030311.  
 PR 20-DEC-1999; 99WO-US030999.  
 PR 22-DEC-1999; 99WO-US030720.  
 PR 30-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.

PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US033522.  
 PR 24-AUG-2000; 2000WO-US033328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000US-00747259.  
 PR 20-DEC-2000; 2000WO-US049506.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00806889.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854208.  
 PR 10-MAY-2001; 2001US-00854280.  
 PR 18-MAY-2001; 2001US-00860216.  
 PR 25-MAY-2001; 2001US-00866028.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 01-JUN-2001; 2001WO-US017092.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 03-JUN-2001; 2001US-00874503.  
 PR 14-JUN-2001; 2001US-00882636.  
 PR 19-JUN-2001; 2001US-00886342.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 21-JUN-2001; 2001US-00887879.  
 PR 22-JUN-2001; 2001WO-US020116.  
 PR 29-JUN-2001; 2001WO-US021068.  
 PR 03-JUL-2001; 2001WO-US021735.  
 PR 18-JUL-2001; 2001US-00908827.  
 PR 06-AUG-2001; 2001US-00924413.  
 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WT, Zhang Z;  
 XX  
 WPI: 2003-755114/71.  
 DR N-PSDB; ADA96053.  
 DR  
 XX New isolated PRO polypeptides, useful for treating diabetes, hyper- or  
 PT hypo-insulinemia, sports injuries, arthritis, obesity, stroke, heart  
 PT attack, various coagulation disorders and tumors.  
 XX  
 XX Claim 12; Fig 470; 638pp; English.  
 XX  
 XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of

CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
 XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
 DB 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
 QY 61 HPGSHKVPFFRRKRKHTCTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKRKHTCTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105  
 RESULT 96  
 AD26363  
 ID ADB26363 standard; protein; 105 AA.  
 XX  
 AC ADB26363;  
 XX  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Human PRO polypeptide #235.  
 XX  
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 OS Homo sapiens.  
 XX  
 OS US2003082760-A1.  
 PN  
 XX  
 PN 01-MAY-2003.  
 XX  
 PD 12-APR-2002; 2002US-00121056.  
 PF  
 XX 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 16-SEP-1998; 98WO-US019177.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 29-OCT-1998; 98WO-US022931.  
 PR 29-OCT-1998; 98WO-US022932.

PR 20-NOV-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 98WO-US000106.  
 PR 08-MAR-1999; 98WO-US005028.  
 PR 10-MAR-1999; 98WO-US005190.  
 PR 20-APR-1999; 98WO-US008615.  
 PR 14-MAY-1999; 98WO-US010733.  
 PR 02-JUN-1999; 98WO-US012252.  
 PR 01-SEP-1999; 98WO-US020111.  
 PR 08-SEP-1999; 98WO-US020594.  
 PR 13-SEP-1999; 98WO-US020940.  
 PR 15-SEP-1999; 98WO-US021090.  
 PR 15-SEP-1999; 98WO-US021547.  
 PR 05-OCT-1999; 98WO-US023089.  
 PR 29-NOV-1999; 98WO-US028214.  
 PR 30-NOV-1999; 98WO-US028313.  
 PR 01-DEC-1999; 98WO-US028409.  
 PR 01-DEC-1999; 98WO-US028301.  
 PR 02-DEC-1999; 98WO-US028634.  
 PR 02-DEC-1999; 98WO-US028551.  
 PR 02-DEC-1999; 98WO-US028564.  
 PR 16-DEC-1999; 98WO-US030095.  
 PR 20-DEC-1999; 98WO-US030911.  
 PR 20-DEC-1999; 98WO-US030999.  
 PR 28-DEC-1999; 98WO-US030720.  
 PR 30-DEC-1999; 98WO-US031243.  
 PR 30-DEC-1999; 98WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 05-JAN-2000; 2000WO-US00376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006894.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 11-AUG-2000; 2000WO-US020710.  
 PR 23-AUG-2000; 2000WO-US022031.  
 PR 24-AUG-2000; 2000WO-US023522.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000WO-US032759.  
 PR 28-DEC-2000; 2000WO-US034956.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00808689.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854208.  
 PR 10-MAY-2001; 2001US-00854280.  
 PR 18-MAY-2001; 2001US-00860216.  
 PR 25-MAY-2001; 2001US-00866028.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 01-JUN-2001; 2001WO-US017092.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017809.

PR 05-JUN-2001; 2001US-00674503.  
 PR 14-JUN-2001; 2001US-0082636.  
 PR 19-JUN-2001; 2001US-00866342.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 21-JUN-2001; 2001US-00887879.  
 PR 22-JUN-2001; 2001WO-US020116.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 16-JUL-2001; 2001US-00908927.  
 PR 06-AUG-2001; 2001US-00924419.  
 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.

(GETH ) GENENTECH INC.

Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 Smith V, Stewart RA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-777204/73.

N-PSDB; ADB26362.

New secreted and transmembrane PRO polypeptides and nucleic acids, useful  
 in gene therapy, detecting the presence of tumor in a mammal, or  
 modulating the uptake of glucose or free fatty acid by skeletal muscle  
 cells or adipocyte cells.

Claim 12; Fig 470; 659pp; English.

The invention relates to isolated human PRO polypeptides (secreted and  
 transmembrane polypeptides) and the polynucleotides encoding them. The  
 invention also relates to an antibody which specifically binds to a PRO  
 polypeptide, a method for stimulating the release of tumor necrosis  
 factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 proliferation or differentiation of chondrocyte cells and a method for  
 detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 polynucleotides are useful in molecular biology, including uses as  
 hybridisation probes, in chromosome and gene mapping, in generating  
 antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 be used in preparing PRO polypeptides by recombinant techniques and in  
 generating either transgenic animals or knock-out animals which are  
 useful in the development and screening of therapeutically useful  
 reagents. The PRO polypeptides or antibodies are used in preparing a  
 medicament for treating a condition responsive to the polypeptides or  
 antibodies, such as tumours, for stimulating and inhibiting proliferation  
 of human microvascular endothelial cells, for modulating the uptake of  
 glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 stimulating differentiation of adipocyte cells, for stimulating  
 proliferation of or gene expression in pericyte cells, for stimulating  
 the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 cells, for inducing endothelial cell tube formation and for treating  
 various bone and/or cartilage disorders such as sports injuries and  
 arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 from cartilage are useful for treating sports-related joint problems,  
 articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 polypeptides are also useful for treating various mammalian haemoglobin-  
 associated disorders such as various thalassemias and conditions which  
 may benefit from enhanced local immune system cell infiltration. This  
 sequence represents a human PRO polypeptide of the invention. Note: The  
 sequence data for this patent is also available in electronic format from  
 the USPTO website at seqdata.uspto.gov.

Sequence 105 AA;

Query Match 100.0%; Score 589; DB 6; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCAGTCCCAISLWRLGRMCTPLRGEGEC 60  
 |||||  
 DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCAGTCCCAISLWRLGRMCTPLRGEGEC 60  
 |||||

Qy 61 HPGSHKVPFFRRKKHHTCPCFLNLLCSRPDPGRYCSMDLKNINF 105  
|||||  
Db 61 HPGSHKVPFFRRKKHHTCPCFLNLLCSRPDPGRYCSMDLKNINF 105

## RESULT 97

ADB21848  
ID ADB21848 standard; protein; 105 AA.

XX AC ADB21848;

XX DT 20-NOV-2003 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1186.

XX KW Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW Glucose uptake modulator; PFA uptake modulator;  
KW cell proliferation stimulator; cell differentiation stimulator;  
KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
KW gene therapy; chromosome identification; chromosome marker.

XX OS Homo sapiens.

XX PN US2003082765-A1.

XX PD 01-MAY-2003.

XX PF 17-MAY-2002; 2002US-00147499.

XX PR 31-MAR-1997; 97WO-US005230.

PR 12-JUN-1998; 98WO-US012456.

PR 14-JUL-1998; 98WO-US014552.

PR 28-AUG-1998; 98WO-US017888.

PR 10-SEP-1998; 98WO-US018824.

PR 14-SEP-1998; 98WO-US019093.

PR 14-SEP-1998; 98WO-US019177.

PR 16-SEP-1998; 98WO-US019330.

PR 17-SEP-1998; 98WO-US019437.

PR 07-OCT-1998; 98WO-US021141.

PR 29-OCT-1998; 98WO-US022991.

PR 29-OCT-1998; 98WO-US022992.

PR 20-NOV-1998; 98WO-US024855.

PR 01-DEC-1998; 98WO-US025108.

PR 05-JAN-1999; 99WO-US000106.

PR 08-MAR-1999; 99WO-US005028.

PR 10-MAR-1999; 99WO-US005190.

PR 20-APR-1999; 99WO-US008615.

PR 14-MAY-1999; 99WO-US010733.

PR 02-JUN-1999; 99WO-US012252.

PR 01-SEP-1999; 99WO-US020111.

PR 08-SEP-1999; 99WO-US020594.

PR 13-SEP-1999; 99WO-US020944.

PR 15-SEP-1999; 99WO-US021090.

PR 15-SEP-1999; 99WO-US021547.

PR 05-OCT-1999; 99WO-US023089.

PR 29-NOV-1999; 99WO-US028214.

PR 30-NOV-1999; 99WO-US028313.

PR 30-NOV-1999; 99WO-US028409.

PR 01-DEC-1999; 99WO-US028301.

PR 01-DEC-1999; 99WO-US028634.

PR 02-DEC-1999; 99WO-US028551.

PR 02-DEC-1999; 99WO-US028564.

PR 16-DEC-1999; 99WO-US028565.

PR 16-DEC-1999; 99WO-US030095.

PR 20-DEC-1999; 99WO-US030911.

PR 20-DEC-1999; 99WO-US030999.

PR 22-DEC-1999; 99WO-US030720.

PR 30-DEC-1999; 99WO-US031243.

PR 30-DEC-1999; 99WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US000365.  
PR 18-FEB-2000; 2000WO-US000431.  
PR 18-FEB-2000; 2000WO-US000432.  
PR 22-FEB-2000; 2000WO-US000414.  
PR 24-FEB-2000; 2000WO-US0004914.  
PR 24-FEB-2000; 2000WO-US0005004.  
PR 01-MAR-2000; 2000WO-US0005601.  
PR 02-MAR-2000; 2000WO-US0005746.  
PR 02-MAR-2000; 2000WO-US0005841.  
PR 10-MAR-2000; 2000WO-US0006319.  
PR 15-MAR-2000; 2000WO-US0006884.  
PR 20-MAR-2000; 2000WO-US0007377.  
PR 21-MAR-2000; 2000WO-US0007532.  
PR 30-MAR-2000; 2000WO-US0008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US020231.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006666.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 10-MAY-2001; 2001US-00854280.  
PR 18-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX XX

(GETH ) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-786920/74.

N-PSDB; ADB21847.

XX New secreted and transmembrane PRO polypeptide useful for detecting the  
XX presence of tumor in a mammal, or modulating the uptake of glucose or  
XX free fatty acid by skeletal muscle cells or adipocyte cells.



(GETH ) GENENTECH INC.

New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, as chromosome markers, or in generating probes.

The invention relates to an isolated nucleic acid encoding a PRO polypeptide. Nucleic acids that encode PRO can be used to generate either transgenic animals or knock-out animals useful in developing and screening of therapeutically useful reagents. The nucleic acids may also be used in gene therapy for replacing defective gene, in chromosome identification, as chromosome markers, or in generating probes to isolate full length PRO cDNA. The PRO polypeptides are useful for chondrocyte stimulation, TNF- $\alpha$  stimulation, human dermal fibroblasts stimulation and for detecting the presence of tumour in an animal. The PRO polypeptides are useful as molecular markers for protein electrophoresis and the isolated nucleic acids may be used for recombinantly expressing those markers. The PRO polypeptides and nucleic acids may also be used in tissue typing. Anti-PRO antibodies are useful in diagnostic assays for PRO and in affinity purification of PRO from recombinant cell culture or natural sources. The present sequence represents the amino acid sequence of a human secreted/transmembrane PRO polypeptide.

Sequence 105 AA;

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Query Match      100.0%; Score 589; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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1 MRGATRVSYMLLLVTVSSCAVITGACERDVOCGAGTCCTCAISLWLRGIRNCTPLRGREGEC 60  
1 MRGATRVSYMLLLVTVSSCAVITGACERDVOCGAGTCCTCAISLWLRGIRNCTPLRGREGEC 60  
61 HPQSHKVPFFRRKHKHTCPCLFNLLCSRFDPDGRYRCSDMLKINIF 105  
61 HPQSHKVPFFRRKHKHTCPCLFNLLCSRFDPDGRYRCSDMLKINIF 105

RESULT 99

ADA 17627 ADA77627 standard: protein: 105 AA.

XX  
AC

20-NOV-2003 (first entry)

Human PRO polypeptide #235.

Human: PRO: secreted polypeptide: transmembrane polypeptide:

[illegible]

*Homo sapiens.*

US2003068797-A1.

10-APR-2003.

22



PF 07-MAY-2002; 2002US-00140921.  
XX 31-MAR-1997; 97WO-US005230.  
PR 12-JUN-1998; 98WO-US012456.  
PR 14-JUL-1998; 98WO-US014552.  
PR 28-AUG-1998; 98WO-US017888.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019093.  
PR 14-SEP-1998; 98WO-US019094.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022991.  
PR 29-OCT-1998; 98WO-US022992.  
PR 20-NOV-1998; 98WO-US024855.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 10-MAR-1999; 99WO-US005190.  
PR 20-APR-1999; 99WO-US008615.  
PR 14-MAY-1999; 99WO-US010733.  
PR 02-JUN-1999; 99WO-US012252.  
PR 01-SEP-1999; 99WO-US020111.  
PR 08-SEP-1999; 99WO-US020594.  
PR 13-SEP-1999; 99WO-US020944.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 05-OCT-1999; 99WO-US023089.  
PR 29-NOV-1999; 99WO-US028214.  
PR 30-NOV-1999; 99WO-US028313.  
PR 30-NOV-1999; 99WO-US028409.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 02-DEC-1999; 99WO-US028651.  
PR 02-DEC-1999; 99WO-US028554.  
PR 02-DEC-1999; 99WO-US028565.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 20-DEC-1999; 99WO-US030999.  
PR 22-DEC-1999; 99WO-US030720.  
PR 30-DEC-1999; 99WO-US031243.  
PR 30-DEC-1999; 99WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 11-FEB-2000; 2000WO-US000376.  
PR 18-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 22-FEB-2000; 2000WO-US004342.  
PR 24-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004514.  
PR 01-MAR-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 10-MAR-2000; 2000WO-US005841.  
PR 15-MAR-2000; 2000WO-US006319.  
PR 20-MAR-2000; 2000WO-US006884.  
PR 21-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US007532.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUN-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030973.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006666.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00805689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 18-MAY-2001; 2001US-00854280.  
PR 25-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00885342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 18-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PU, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
XX WPI; 2003-625489/59.  
XX N-PSDB; ADA77626.  
XX  
XX Novel isolated, secreted and transmembrane PRO polypeptides e.g. PRO1801  
PT and PRO114, useful in the preparation of a medicament for treating a  
PT condition responsive to PRO polypeptide, and as therapeutic agents e.g.  
PT vaccines.  
XX  
XX Claim 12; Fig 470; 659pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the polynucleotides encoding them. The  
CC invention also relates to an antibody which specifically binds to a PRO  
CC polypeptide, a method for stimulating the release of tumour necrosis  
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
CC proliferation or differentiation of chondrocyte cells and a method for  
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
CC polynucleotides are useful in molecular biology, including uses as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
CC be used in preparing PRO polypeptides by recombinant techniques and in  
CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating differentiation of adipocyte cells, for stimulating  
CC the proliferation of or gene expression in pericyte cells, for stimulating  
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
CC cells, for inducing endothelial cell tube formation and for treating  
CC various bone and/or cartilage disorders such as sports injuries and  
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
CC from cartilage are useful for treating sports-related joint problems.  
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
CC polypeptides are also useful for treating various mammalian haemoglobin-

CC associated disorders such as various thalassemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

CC Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MGRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
 DB 1 MGRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
 QY 61 HPGSHKVPFFRRKRKHHTCPCLPCLNLLCSRFDPDGRYRCMDLKNINF 105  
 DB 61 HPGSHKVPFFRRKRKHHTCPCLPCLNLLCSRFDPDGRYRCMDLKNINF 105

RESULT 100  
 ADB18367  
 ID ADB18367 standard; protein; 105 AA.

AC ADB18367;  
 XX 20-NOV-2003 (first entry)  
 DT Human PRO polypeptide #235.  
 DE Human: PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;  
 KW immune system cell infiltration.

XX Homo sapiens.

XX US2003077710-A1.

XX 24-APR-2003.

XX 22-APR-2002; 2002US-00127825.

XX 22-OCT-1998; 98US-0105169P.

XX 01-SEP-1999; 99WO-US020111.

XX 18-OCT-1999; 99US-00403297.

XX 30-NOV-1999; 99WO-US028313.

XX 18-FEB-2000; 2000WO-US004342.

XX 01-DEC-2000; 2000WO-US032678.

XX 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvatoff E, Gao W;

XX Gerritsen MB, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-755065/71.

XX N-PSDE; ADB18366.

XX New secreted and transmembrane PRO polypeptides and nucleic acids, useful

XX in gene therapy, in chromosome and gene mapping, as chromosome markers,

CC The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uss as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC the proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems, PRO  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC the USPTO website at [seqdata.uspto.gov](http://seqdata.uspto.gov).

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
 DB 1 MGRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFRRKRKHHTCPCLPCLNLLCSRFDPDGRYRCMDLKNINF 105

DB 61 HPGSHKVPFFRRKRKHHTCPCLPCLNLLCSRFDPDGRYRCMDLKNINF 105

RESULT 101

ADA87050

ID ADA87050 standard; protein; 105 AA.

XX ADA87050;

XX 20-NOV-2003 (first entry)

XX Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; PRO;

XX Tumour necrosis factor alpha release; TNF-alpha release;

XX glucose uptake modulator; FFA uptake modulator;

XX cell proliferation stimulator; cell differentiation stimulator;

XX cell differentiation inhibitor; cytokine release stimulator; tumour;

XX lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;

XX cervical tumour; liver tumour; chromosome mapping; gene mapping;

XX Gene therapy; chromosome identification; chromosome marker.

XX Homo sapiens.

XX US2003082709-A1.

XX 01-MAY-2003.

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XX PF 15-MAY-2002; 2002US-00146791.
XX PR 17-AUG-1998; 98US-0096895P.
XX PR 02-JUN-1999; 99WO-US012252.
XX PR 25-AUG-1999; 99US-00380137.
XX PR 30-MAR-2000; 2000WO-US008439.
XX PR 01-DEC-2000; 2000WO-US032678.
XX PR 19-DEC-2001; 2001US-00028072.
XX PA (GETH ) GENENTECH INC.
XX PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
XX PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
XX PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX DR WPI: 2003-786912/74.
XX DR N-PSDB; ADA87049.
XX PT New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,
XX PT for preparing a composition for treating e.g., tumor, or for tissue
XX PT typing.
XX PS Claim 12; Fig 470; 637pp; English.
XX CC The invention describes 305 nucleic acids encoding PRO (secreted and
XX CC transmembrane) polypeptides (I). (I) is useful for stimulating the
XX CC release of TNF-alpha from human blood, for modulating the uptake of
XX CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
XX CC stimulating the proliferation or differentiation of chondrocyte cells,
XX CC for stimulating the proliferation of or gene expression in pericyte
XX CC cells, for stimulating the release of proteoglycans from cartilage, for
XX CC stimulating the proliferation of inner ear utricular supporting cells,
XX CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
XX CC the release of a cytokine from PMC cells, for inhibiting the binding of
XX CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
XX CC cells, for stimulating proliferation of endothelial cells, for detecting
XX CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
XX CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
XX CC are useful for isolating genomic and cDNA nucleotide sequences or
XX CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
XX CC in assays to identify other proteins or molecules involved in binding
XX CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
XX CC and gene mapping, in generation of antisense RNA and DNA, in the
XX CC preparation of PRO polypeptide, for generating transgenic animals or
XX CC knockout animals which in turn are useful in the development and
XX CC screening of therapeutically useful reagents, in gene therapy, for
XX CC chromosome identification, as chromosome marker, and for generating
XX CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
XX CC detecting its expression in specific cells, tissues or serum, and for
XX CC affinity purification of PRO from recombinant cell culture or natural
XX CC sources. (I) and (II) are useful for tissue typing. This is the amino
XX CC acid sequence of a novel human secreted and transmembrane PRO
XX CC polypeptide.
XX CC Sequence 105 AA;
XX CC
XX CC Query Match 100.0%; Score 589; DB 7; Length 105;
XX CC Best Local Similarity 100.0%; Pred. No. 2.5e-54;
XX CC Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX CC
XX CC QY 1 MRGATRVSIMLLVTVDCAVITGACERDVQCGAGTCCATSLMLRGLRMCTPLGREGEC 60
XX CC Db 1 MRGATRVSIMLLVTVDCAVITGACERDVQCGAGTCCATSLMLRGLRMCTPLGREGEC 60
XX CC
XX CC QY 61 HPGSHKVPFFKRKHHTCPCLPNLLCSRFDPGRVRCSDMLKNINF 105
XX CC Db 61 HPGSHKVPFFKRKHHTCPCLPNLLCSRFDPGRVRCSDMLKNINF 105
XX CC
XX CC RESULT 102
XX CC ADA88153
XX CC TD ADA88153 standard; protein; 105 AA.

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XX AC ADA88153;
XX AC 20-NOV-2003 (first entry)
XX DE Novel human secreted and transmembrane protein PRO1186.
XX KW Human; secreted and transmembrane protein; PRO;
XX KW Tumour necrosis factor alpha release; TNF-alpha release;
XX KW Glucose uptake modulator; FFA uptake modulator;
XX KW cell proliferation stimulator; cell differentiation stimulator;
XX KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
XX KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
XX KW gene therapy; chromosome identification; chromosome marker.
XX OS Homo sapiens.
XX FN US2003082700-A1.
XX PD 01-MAY-2003.
XX PF 23-APR-2002; 2002US-00128584.
XX PR 05-JUN-2000; 2000US-0209832P.
XX PR 01-DEC-2000; 2000WO-US032678.
XX PR 19-DEC-2001; 2001US-00028072.
XX PA (GETH ) GENENTECH INC.
XX PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
XX PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
XX PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX DR WPI: 2003-786910/74.
XX DR N-PSDB; ADA88152.
XX PT New PRO nucleic acid, useful for preparing a composition for treating
XX PT e.g., tumor or for tissue typing.
XX PS Claim 12; Fig 470; 637pp; English.
XX CC The invention describes 305 nucleic acids encoding PRO (secreted and
XX CC transmembrane) polypeptides (I). (I) is useful for stimulating the
XX CC release of TNF-alpha from human blood, for modulating the uptake of
XX CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
XX CC stimulating the proliferation or differentiation of chondrocyte cells,
XX CC for stimulating the proliferation of or gene expression in pericyte
XX CC cells, for stimulating the release of proteoglycans from cartilage, for
XX CC stimulating the proliferation of inner ear utricular supporting cells,
XX CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
XX CC the release of a cytokine from PMC cells, for inhibiting the binding of
XX CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
XX CC cells, for stimulating proliferation of endothelial cells, for detecting
XX CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
XX CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
XX CC are useful for isolating genomic and cDNA nucleotide sequences or
XX CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
XX CC in assays to identify other proteins or molecules involved in binding
XX CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
XX CC and gene mapping, in generation of antisense RNA and DNA, in the
XX CC preparation of PRO polypeptide, for generating transgenic animals or
XX CC knockout animals which in turn are useful in the development and
XX CC screening of therapeutically useful reagents, in gene therapy, for
XX CC chromosome identification, as chromosome marker, and for generating
XX CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
XX CC detecting its expression in specific cells, tissues or serum, and for
XX CC affinity purification of PRO from recombinant cell culture or natural
XX CC sources. (I) and (II) are useful for tissue typing. This is the amino
XX CC acid sequence of a novel human secreted and transmembrane PRO
XX CC polypeptide.
XX CC Sequence 105 AA;

```

us-10-027-603-2.rag

Mon Aug 30 07:06:19 2004

Qy	1	MRGATRVISIMLLVTSDCAVITGACERDYQCGAGTCGAGTCCALISLWGLRMCTPLGRGEEC	60
Db	1	MRGATRVISIMLLVTSDCAVITGACERDYQCGAGTCGAGTCCALISLWGLRMCTPLGRGEEC	60
Qy	61	HPGSHKVPFFKPKHHTCPCLPNLLCSRFDPGRYCSMDLKNINF	105
Db	61	HPGSHKVPFFKPKHHTCPCLPNLLCSRFDPGRYCSMDLKNINF	105
RESULT 103			
ADA46541			
ID	ADA46541	standard; protein; 105 AA.	
XX	ADA46541;		
AC			
XX	20-NOV-2003	(first entry)	
DT			
XX		Novel human secreted and transmembrane protein PRO1186.	
DE			
XX		Human; secreted and transmembrane protein; PRO;	
KW		Tumour necrosis factor alpha release; TNF-alpha release;	
KW		Glucose uptake modulator; FFA uptake modulator;	
KW		cell proliferation stimulator; cell differentiation stimulator;	
KW		cell differentiation inhibitor; cytokine release stimulator; tumour;	
KW		lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;	
KW		cervical tumour; liver tumour; chromosome mapping; gene mapping;	
KW		gene therapy; chromosome identification; chromosome marker.	
XX			
OS		Homo sapiens.	
XX			
PN	US2003054516-A1.		
XX			
PD	20-MAR-2003.		
XX			
PF	12-APR-2002; 2002US-00121050.		
XX			
PR	31-MAR-1997; 97WO-US005230.		
PR	12-JUN-1998; 98WO-US012456.		
PR	14-JUL-1998; 98WO-US014552.		
PR	28-AUG-1998; 98WO-US017888.		
PR	10-SEP-1998; 98WO-US018824.		
PR	14-SEP-1998; 98WO-US019093.		
PR	14-SEP-1998; 98WO-US019094.		
PR	14-SEP-1998; 98WO-US019177.		
PR	16-SEP-1998; 98WO-US019330.		
PR	17-SEP-1998; 98WO-US019437.		
PR	07-OCT-1998; 98WO-US021141.		
PR	29-OCT-1998; 98WO-US022991.		
PR	29-OCT-1998; 98WO-US022992.		
PR	20-NOV-1998; 98WO-US024855.		
PR	01-DEC-1998; 98WO-US025108.		
PR	05-JAN-1999; 98WO-US000106.		
PR	08-MAR-1999; 98WO-US005028.		
PR	10-MAR-1999; 98WO-US005190.		
PR	20-APR-1999; 98WO-US008615.		
PR	14-MAY-1999; 98WO-US010733.		
PR	02-JUN-1999; 98WO-US012252.		
PR	01-SEP-1999; 98WO-US020111.		
PR	08-SEP-1999; 98WO-US020594.		
PR	13-SEP-1999; 98WO-US020944.		
PR	15-SEP-1999; 98WO-US021090.		
PR	15-SEP-1999; 98WO-US021547.		
PR	05-OCT-1999; 98WO-US023089.		
PR	29-NOV-1999; 98WO-US028214.		
PR	30-NOV-1999; 98WO-US028313.		
PR	30-NOV-1999; 98WO-US028409.		
PR	01-DEC-1999; 98WO-US028301.		
PR	01-DEC-1999; 98WO-US028634.		

PR	02-DEC-1999;	99WO-US028551.
PR	02-DEC-1999;	99WO-US028554.
PR	02-DEC-1999;	99WO-US028565.
PR	16-DEC-1999;	99WO-US030095.
PR	20-DEC-1999;	99WO-US030911.
PR	22-DEC-1999;	99WO-US030999.
PR	22-DEC-1999;	99WO-US030720.
PR	30-DEC-1999;	99WO-US031243.
PR	30-DEC-1999;	99WO-US031274.
PR	05-JAN-2000;	2000WO-US000219.
PR	06-JAN-2000;	2000WO-US000277.
PR	06-JAN-2000;	2000WO-US000376.
PR	11-FEB-2000;	2000WO-US003565.
PR	18-FEB-2000;	2000WO-US004341.
PR	18-FEB-2000;	2000WO-US004342.
PR	22-FEB-2000;	2000WO-US004414.
PR	24-FEB-2000;	2000WO-US004914.
PR	24-FEB-2000;	2000WO-US005004.
PR	01-MAR-2000;	2000WO-US005601.
PR	02-MAR-2000;	2000WO-US005746.
PR	10-MAR-2000;	2000WO-US005841.
PR	15-MAR-2000;	2000WO-US006319.
PR	15-MAR-2000;	2000WO-US006884.
PR	20-MAR-2000;	2000WO-US007377.
PR	21-MAR-2000;	2000WO-US007532.
PR	30-MAR-2000;	2000WO-US008439.
PR	17-MAY-2000;	2000WO-US013705.
PR	22-MAY-2000;	2000WO-US014042.
PR	30-MAY-2000;	2000WO-US014941.
PR	02-JUN-2000;	2000WO-US015264.
PR	28-JUL-2000;	2000WO-US020710.
PR	11-AUG-2000;	2000WO-US022031.
PR	23-AUG-2000;	2000WO-US023522.
PR	24-AUG-2000;	2000WO-US023328.
PR	08-NOV-2000;	2000WO-US030952.
PR	10-NOV-2000;	2000WO-US030873.
PR	01-DEC-2000;	2000WO-US032678.
PR	20-DEC-2000;	2000US-00747259.
PR	20-DEC-2000;	2000WO-US034956.
PR	28-FEB-2001;	2001US-00796498.
PR	28-FEB-2001;	2001WO-US006520.
PR	01-MAR-2001;	2001WO-US006666.
PR	09-MAR-2001;	2001US-00802706.
PR	14-MAR-2001;	2001US-00808689.
PR	22-MAR-2001;	2001US-00816744.
PR	05-APR-2001;	2001US-00828366.
PR	10-MAY-2001;	2001US-00854208.
PR	10-MAY-2001;	2001US-00854280.
PR	18-MAY-2001;	2001US-00860216.
PR	25-MAY-2001;	2001US-00866028.
PR	25-MAY-2001;	2001US-00866034.
PR	25-MAY-2001;	2001WO-US017092.
PR	01-JUN-2001;	2001US-00872035.
PR	01-JUN-2001;	2001WO-US017800.
PR	05-JUN-2001;	2001US-00874503.
PR	14-JUN-2001;	2001US-00882636.
PR	19-JUN-2001;	2001US-00886342.
PR	20-JUN-2001;	2001WO-US019692.
PR	21-JUN-2001;	2001US-00887879.
PR	22-JUN-2001;	2001WO-US020116.
PR	29-JUN-2001;	2001WO-US021066.
PR	09-JUL-2001;	2001WO-US021735.
PR	18-JUL-2001;	2001US-00908827.
PR	06-AUG-2001;	2001US-00924419.
PR	09-AUG-2001;	2001US-00927796.
PR	16-AUG-2001;	2001US-00931836.
PR	19-DEC-2001;	2001US-00028072.

(GETH ) GENENTECH INC.

Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-521853/49.  
 DR N-PSDB; ADA46540.  
 XX  
 PT New PRO nucleic acid, useful for preparing a composition for treating  
 PT e.g., tumor.  
 XX  
 PS Claim 12; Fig 470; 200pp; English.  
 XX  
 CC The invention describes 305 nucleic acids encoding PRO (secreted and  
 CC transmembrane) polypeptides (I). (I) is useful for stimulating the  
 CC release of TNF-alpha from human blood, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating the proliferation or differentiation of chondrocyte cells,  
 CC for stimulating the proliferation of or gene expression in pericyte  
 CC cells, for stimulating the release of or gene expressions from cartilage, for  
 CC stimulating the proliferation of inner ear utricular supporting cells,  
 CC for stimulating the proliferation of T-lymphocyte cells, for stimulating  
 CC the release of a cytokine from PBC cells, for inhibiting the binding of  
 CC A-peptide to factor VIId, for inhibiting the differentiation of adipocyte  
 CC cells, for stimulating proliferation of endothelial cells, for detecting  
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,  
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
 CC are useful for isolating genomic and cDNA nucleotide sequences or  
 CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
 CC in assays to identify other proteins or molecules involved in binding  
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
 CC and gene mapping, in generation of antisense RNA and DNA, in the  
 CC preparation of PRO polypeptide, for generating transgenic animals or  
 CC knockout animals which in turn are useful in the development and  
 CC screening of therapeutically useful reagents, in gene therapy, for  
 CC chromosome identification, as chromosome marker, and for generating  
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
 CC detecting its expression in specific cells, tissues or serum, and for  
 CC affinity purification of PRO from recombinant cell culture or natural  
 CC sources. (I) and (II) are useful for tissue typing. This is the amino  
 CC acid sequence of a novel human secreted and transmembrane PRO  
 CC polypeptide.  
 XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60  
 Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60  
 Qy 61 HPGSHKVPFFRKRRKHTCPCLPMLCSRFDPDGRYRCSDMLKKNLF 105  
 Db 61 HPGSHKVPFFRKRRKHTCPCLPMLCSRFDPDGRYRCSDMLKKNLF 105  
 RESULT 104  
 ADB28571  
 ID ADB28571 standard; protein; 105 AA.  
 AC ADB28571;  
 XX  
 XX 20-NOV-2003 (first entry)  
 DE Human PRO polypeptide #235.  
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;

KW immune system cell infiltration.  
 XX Homo sapiens.  
 OS  
 XX US2003082699-A1.  
 PN  
 XX 01-MAY-2003.  
 PD  
 XX 22-APR-2002; 2002US-00127851.  
 PF  
 XX 17-JUN-1998; 98US-0089599P.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 25-AUG-1999; 99US-00380137.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 01-MAR-2000; 2000WO-US008439.  
 PR 01-DEC-2000; 2000WO-US022678.  
 PR 19-DEC-2000; 2001US-00028072.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski RJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-777202/73.  
 DR N-PSDB; ADB28570.  
 DR  
 XX New PRO nucleic acid, useful for preparing a composition for treating  
 XX e.g., tumor or for tissue typing.  
 PT  
 PT Claim 12; Fig 470; 637pp; English.  
 PS  
 XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC the USPTO website at seqdata.uspto.gov.  
 XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 QY 61 HPQSHKVPFFPRKXKHTCCPLNLLCSRFDDGRYRCSDMLKNINF 105  
 Db 61 HPQSHKVPFFPRKXKHTCCPLNLLCSRFDDGRYRCSDMLKNINF 105

RESULT 105  
 ADB29123  
 ID ADB29123 standard; protein; 105 AA.  
 AC ADB29123;  
 XX  
 XX  
 XX 20-NOV-2003 (first entry)  
 DE Human PRO polypeptide #235.  
 XX  
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX  
 XX Homo sapiens.  
 OS  
 XX  
 XX US2003082706-A1.  
 XX  
 XX 01-MAY-2003.  
 XX  
 XX 24-APR-2002; 2002US-00131836.  
 XX  
 XX 09-DEC-1999; 99US-0170262P.  
 XX 10-NOV-2000; 2000WO-US030873.  
 XX 01-DEC-2000; 2000WO-US032678.  
 XX 19-DEC-2001; 2001US-00028072.  
 XX  
 XX (GETH ) GENENTECH INC.  
 XX  
 XX Baker KP, Beresini M, Deforgre L, Desnoyers L, Filvaroff E;  
 XX Cao W, Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-777203/73.  
 XX N-PSDB; ADB29122.  
 XX  
 XX New PRO nucleic acid, useful for preparing a composition for treating  
 XX e.g., tumor or for tissue typing.  
 XX  
 XX Claim 12; Fig 470; 637pp; English.  
 XX  
 XX The invention relates to isolated human PRO polypeptides (secreted and  
 XX transmembrane polypeptides) and the polynucleotides encoding them. The  
 XX invention also relates to an antibody which specifically binds to a PRO  
 XX polypeptide, a method for stimulating the release of tumour necrosis  
 XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 XX proliferation or differentiation of chondrocyte cells and a method for  
 XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 XX polynucleotides are useful in molecular biology, including uses as  
 XX hybridisation probes, in chromosome and gene mapping, in generating  
 XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 XX be used in preparing PRO polypeptides by recombinant techniques and in  
 XX generating either transgenic animals or knock-out animals which are  
 XX useful in the development and screening of therapeutically useful  
 XX reagents. The PRO polypeptides or antibodies are used in preparing a  
 XX medicament for treating a condition responsive to the polypeptides or  
 XX antibodies, such as tumours, for stimulating and inhibiting proliferation

CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC the USPTO website at seqdata.uspto.gov.  
 XX  
 XX Sequence 105 AA;  
 SQ  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. NO. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 QY 61 HPQSHKVPFFPRKXKHTCCPLNLLCSRFDDGRYRCSDMLKNINF 105  
 Db 61 HPQSHKVPFFPRKXKHTCCPLNLLCSRFDDGRYRCSDMLKNINF 105

RESULT 106  
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 ID ABO53220 standard; protein; 105 AA.  
 XX  
 XX ABO53220;  
 XX  
 XX 14-OCT-2003 (first entry)  
 XX  
 XX Human secreted/transmembrane protein PRO1186.  
 XX  
 XX Human; secreted protein; transmembrane protein; PRO;  
 XX adrenal cortical capillary endothelial cell; angiogenesis; wound healing;  
 KW diabetes; obesity; hyper-insulinaemia; hypo-insulinaemia;  
 KW chondrocyte redifferentiation; bone disorder; cartilage disorder;  
 KW sports injury; arthritis; kidney mesangial cell proliferation;  
 KW kidney disorder; Berger disease; neuropathy; coeliac disease;  
 KW dermatitis herpetiformis; Crohn's disease; tumour; cancer.  
 XX  
 XX Homo sapiens.  
 XX  
 XX US2003044806-A1.  
 XX  
 XX 06-MAR-2003.  
 XX  
 XX 15-NOV-2001; 2001US-00998156.  
 XX  
 XX 16-JUN-1997; 97US-0049787P.  
 XX 17-OCT-1997; 97US-0062250P.  
 XX 05-NOV-1997; 97WO-US020069.  
 XX 12-NOV-1997; 97US-0065186P.  
 XX 13-NOV-1997; 97US-0065311P.  
 XX 24-NOV-1997; 97US-0066770P.  
 XX 25-FEB-1998; 98US-0075945P.  
 XX 20-MAR-1998; 98US-0078910P.  
 XX 28-APR-1998; 98US-0083322P.  
 XX 07-MAY-1998; 98US-0084600P.  
 XX 28-MAY-1998; 98US-0087106P.  
 XX 02-JUN-1998; 98US-0087607P.  
 XX 02-JUN-1998; 98US-0087609P.  
 XX 02-JUN-1998; 98US-0087759P.  
 XX 03-JUN-1998; 98US-0087827P.





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PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUN-2000; 2000WO-US020710.

Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCATSLMRLGRLMCTPLGREGECC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCATSLMRLGRLMCTPLGREGECC 60

Qy 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 107
ADA77075
ID ADA77075 standard; protein; 105 AA.
XX ADA77075;
AC ADA77075;
XX
DT 20-NOV-2003 (first entry)
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003059909-A1.
XX
PD 27-MAR-2003.
XX
PF 10-MAY-2002; 2002US-00143032.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019053.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028584.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030035.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US020311.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 03-MAR-2001; 2001WO-US006520.
PR 03-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00806899.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 23-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.

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PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KF, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Geritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-540684/51.  
DR N-PSDB; ADA77074.  
XX  
XX New secreted and transmembrane nucleic acids and polypeptides, designated  
PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,  
PT cardiac injury, infertility, birth defects, premature aging, AIDS, or  
PT cancer.  
XX  
XX Claim 12; Fig 470; 660pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the polynucleotides encoding them. The  
CC invention also relates to an antibody which specifically binds to a PRO  
CC polypeptide, a method for stimulating the release of tumour necrosis  
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
CC proliferation or differentiation of chondrocyte cells and a method for  
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
CC polynucleotides are useful in molecular biology, including uses as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
CC be used in preparing PRO polypeptides by recombinant techniques and in  
CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating differentiation of adipocyte cells, for stimulating  
CC the proliferation of or gene expression in pericyte cells, for  
CC cells, for inducing endothelial cell tube formation and for treating  
CC various bone and/or cartilage disorders such as sports injuries and  
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
CC from cartilage are useful for treating sports-related joint problems,  
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
CC polypeptides are also useful for treating various mammalian haemoglobin-  
CC associated disorders such as various thalassemias and conditions which  
CC may benefit from enhanced local immune system cell infiltration. This  
CC sequence represents a human PRO polypeptide of the invention. Note: The  
CC sequence data for this patent is also available in electronic format from  
CC USPTO at seqdata.uspto.gov/sequence.html.  
XX  
XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVISIMLLLVTSDCAVITGACERDVQCGAGTCCATSLMLRGLRMCTPLGRSGEEC 60  
Dy 1 MRGATRVISIMLLLVTSDCAVITGACERDVQCGAGTCCATSLMLRGLRMCTPLGRSGEEC 60  
Qy 61 HPGSHKVPFFPKRKHKHTCPCPLNLLCSRFDPDGRYRCMDLKNINF 105

Db 61 HPGSHKVPFFPKRKHKHTCPCPLNLLCSRFDPDGRYRCMDLKNINF 105  
RESULT 108  
ADA22494  
ID ADA22494 standard; protein; 105 AA.  
XX  
AC ADA22494;  
XX  
DT 20-NOV-2003 (first entry)  
XX  
XX Human secreted/transmembrane polypeptide PRO1186.  
XX human; tumour; cancer; colorectal cancer; gene therapy;  
XX chondrocyte differentiation; VEGF inhibition;  
KW vascular endothelial growth factor; Alzheimer's disease;  
KW Parkinson's disease; atherosclerosis; cystic fibrosis;  
KW multiple sclerosis; ovarian cancer; tissue typing.  
XX  
OS Homo sapiens.  
XX  
XX US2003040473-A1.  
XX  
XX 27-FEB-2003.  
XX  
XX 19-NOV-2001; 2001US-00989726.  
XX  
XX 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US020069.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 28-MAY-1998; 98US-0087106P.  
PR 02-JUN-1998; 98US-0087607P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 02-JUN-1998; 98US-0087759P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088025P.  
PR 04-JUN-1998; 98US-0088026P.  
PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088029P.  
PR 04-JUN-1998; 98US-0088030P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088653P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088742P.  
PR 10-JUN-1998; 98US-0088810P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 11-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088858P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 12-JUN-1998; 98US-008876P.  
PR 16-JUN-1998; 98US-0089105P.  
PR 16-JUN-1998; 98US-0089440P.  
PR 16-JUN-1998; 98US-0089512P.  
PR 16-JUN-1998; 98US-0089514P.  
PR 17-JUN-1998; 98US-0089532P.  
PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089599P.

61 HPGSHKVPFFRYRKHHTCPCLPNLLCSRPDPGRYRCMDLKNINF 105  
61 HPGSHKVPFFRYRKHHTCPCLPNLLCSRPDPGRYRCMDLKNINF 105

RESULT 109  
 ADA88705  
 ID ADA88705 standard; protein; 105 AA.  
 XX  
 AC ADA88705;  
 DT 20-NOV-2003 (first entry)  
 XX  
 DE Novel human secreted and transmembrane protein PRO1186.  
 XX  
 KW Human; secreted and transmembrane protein; PRO;  
 KW Tumour necrosis factor alpha release; TNF-alpha release;  
 KW Glucose uptake modulator; FFA uptake modulator;  
 KW cell proliferation stimulator; cell differentiation stimulator;  
 KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
 KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003073213-A1.  
 XX  
 PD 17-APR-2003.  
 XX  
 PF 17-APR-2002; 2002US-00124819.  
 XX  
 PR 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019177.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 28-OCT-1998; 98WO-US022991.  
 PR 23-OCT-1998; 98WO-US022992.  
 PR 20-NOV-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 98WO-US000106.  
 PR 08-MAR-1999; 98WO-US005028.  
 PR 10-MAR-1999; 98WO-US005190.  
 PR 20-APR-1999; 98WO-US008615.  
 PR 14-MAY-1999; 98WO-US010731.  
 PR 02-JUN-1999; 98WO-US012252.  
 PR 01-SEP-1999; 98WO-US020111.  
 PR 08-SEP-1999; 98WO-US020594.  
 PR 13-SEP-1999; 98WO-US020944.  
 PR 15-SEP-1999; 98WO-US021090.  
 PR 15-SEP-1999; 98WO-US021547.  
 PR 05-OCT-1999; 98WO-US023089.  
 PR 23-NOV-1999; 98WO-US028214.  
 PR 30-NOV-1999; 98WO-US028313.  
 PR 01-DEC-1999; 98WO-US028409.  
 PR 01-DEC-1999; 98WO-US028301.  
 PR 01-DEC-1999; 98WO-US028634.  
 PR 02-DEC-1999; 98WO-US028551.  
 PR 02-DEC-1999; 98WO-US028564.  
 PR 02-DEC-1999; 98WO-US028565.  
 PR 16-DEC-1999; 98WO-US030095.  
 PR 20-DEC-1999; 98WO-US030911.  
 PR 20-DEC-1999; 98WO-US030999.  
 PR 22-DEC-1999; 98WO-US030720.  
 PR 30-DEC-1999; 98WO-US031243.  
 PR 30-DEC-1999; 98WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 10-MAR-2000; 2000WO-US006319.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015284.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000US-00747259.  
 PR 20-DEC-2000; 2000WO-US034956.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00808689.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854280.  
 PR 10-MAY-2001; 2001US-00854280.  
 PR 18-MAY-2001; 2001US-00860216.  
 PR 25-MAY-2001; 2001US-00866028.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001US-00870992.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 05-JUN-2001; 2001US-00874503.  
 PR 14-JUN-2001; 2001US-00882636.  
 PR 19-JUN-2001; 2001US-00886342.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 21-JUN-2001; 2001US-00887879.  
 PR 22-JUN-2001; 2001US-00892016.  
 PR 29-JUN-2001; 2001WO-US021086.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 18-JUL-2001; 2001US-00908827.  
 PR 06-AUG-2001; 2001US-00924419.  
 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 XX (GETH ) GENENTECH INC.  
 PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX  
 DR WPI: 2003-743816/70.  
 DR N-FSDB; ADA88704.  
 XX  
 XX New secreted and transmembrane PRO polypeptides and nucleic acids, useful  
 PT in gene therapy, detecting the presence of tumor in a mammal, or  
 PT modulating the uptake of glucose or free fatty acid by skeletal muscle  
 PT cells or adipocyte cells.  
 XX  
 PS Claim 12; Fig 470; 659pp; English.  
 XX  
 CC The invention describes 305 nucleic acids encoding PRO (secreted and  
 CC transmembrane) polypeptides (I). (I) is useful for stimulating the

CC release of TNF-alpha from human blood, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating the proliferation or differentiation of chondrocyte cells,  
 CC for stimulating the proliferation of or gene expression in pericyte  
 CC cells, for stimulating the release of proteoglycans from cartilage, for  
 CC stimulating the proliferation of inner ear utricular supporting cells,  
 CC for stimulating the proliferation of T-lymphocyte cells, for stimulating  
 CC the release of a cytokine from PBM cells, for inhibiting the binding of  
 CC A-peptide to factor VIIa, for inhibiting the differentiation of adipocyte  
 CC cells, for stimulating proliferation of endothelial cells, for detecting  
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,  
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
 CC are useful for isolating genomic and cDNA nucleotide sequences or  
 CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
 CC in assays to identify other proteins or molecules involved in binding  
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
 CC and gene mapping, in generation of antisense RNA and DNA, in the  
 CC preparation of PRO polypeptide, for generating transgenic animals or  
 CC knockout animals which in turn are useful in the development and  
 CC screening of therapeutically useful reagents, in gene therapy, for  
 CC chromosome identification, as chromosome marker, and for generating  
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
 CC detecting its expression in specific cells, tissues or serum, and for  
 CC affinity purification of PRO from recombinant cell culture or natural  
 CC sources. (I) and (II) are useful for tissue typing. This is the amino  
 CC acid sequence of a novel human secreted and transmembrane PRO  
 CC polypeptide.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRGEEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRGEEC 60  
 QY 61 HPGSHKVPFFPKRKHHTCTCLPMLLCSRPDPGRYRCSDMLKKNIF 105  
 DB 61 HPGSHKVPFFPKRKHHTCTCLPMLLCSRPDPGRYRCSDMLKKNIF 105

RESULT 110

ID ADA97710 standard; protein; 105 AA.

XX AC ADA97710;

XX DT 20-NOV-2003 (first entry)

XX DE Human PRO polypeptide #235.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.

XX OS Homo sapiens.

XX PN US2003082686-A1.

XX PD 01-MAY-2003.

XX PF 19-APR-2002; 2002US-00125926.

XX PR 05-JUN-2000; 2000US-0209832P.

PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-755106/71.  
 DR N-PSDB; ADA97709.

XX Isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or  
 PT PRO4978, useful in molecular biology, chromosome and gene mapping, in  
 PT generating antisense RNA and DNA, and in gene therapy.

XX Claim 12; Fig 470; 666pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting the uptake of  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at seqdata.uspto.gov/sequence.html.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRGEEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRGEEC 60  
 QY 61 HPGSHKVPFFPKRKHHTCTCLPMLLCSRPDPGRYRCSDMLKKNIF 105  
 DB 61 HPGSHKVPFFPKRKHHTCTCLPMLLCSRPDPGRYRCSDMLKKNIF 105

RESULT 111

ID ADB27467

XX ID ADB27467 standard; protein; 105 AA.

XX AC ADB27467;



PR 15-SEP-1998; 98US-0100390P.  
 PR 16-SEP-1998; 98US-0100634P.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98US-0100710P.  
 PR 17-SEP-1998; 98US-0100858P.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 23-SEP-1998; 98US-0101474P.  
 PR 23-SEP-1998; 98US-0101477P.  
 PR 24-SEP-1998; 98US-0101741P.  
 PR 07-OCT-1998; 98US-0103115P.  
 PR 07-OCT-1998; 98WO-US03328P.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 13-OCT-1998; 98US-0104080P.  
 PR 20-OCT-1998; 98US-0104987P.  
 PR 22-OCT-1998; 98US-0105165P.  
 PR 28-OCT-1998; 98US-0106030P.  
 PR 28-OCT-1998; 98WO-US022991.  
 PR 29-OCT-1998; 98WO-US022992.  
 PR 30-OCT-1998; 98US-0106464P.  
 PR 03-NOV-1998; 98US-0106856P.  
 PR 03-NOV-1998; 98US-0106934P.  
 PR 10-NOV-1998; 98US-0107783P.  
 PR 17-NOV-1998; 98US-0108775P.  
 PR 17-NOV-1998; 98US-0108801P.  
 PR 17-NOV-1998; 98US-0108802P.  
 PR 20-NOV-1998; 98US-0109304P.  
 PR 20-NOV-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US026108.  
 PR 15-DEC-1998; 98US-0112743P.  
 PR 16-DEC-1998; 98US-0112850P.  
 PR 22-DEC-1998; 98US-0113286P.  
 PR 22-DEC-1998; 98US-0113295P.  
 PR 22-DEC-1998; 98US-0113300P.  
 PR 22-DEC-1998; 98US-0113313P.  
 PR 22-DEC-1998; 98US-0113314P.  
 PR 22-DEC-1998; 98US-0113315P.  
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 Db 1 MRGATRVISMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRGLMCTPLGREGEC 60  
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 Db 61 HPGSHKVPFPRKRKHTCTCLPNLLCSRPDPGRYRCMDLNINF 105

RESULT 112  
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 ID ADB22400 standard; protein; 105 AA.  
 XX AC ADB22400;  
 XX DT 20-NOV-2003 (first entry);  
 XX DE Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; PRO;  
 KW Tumour necrosis factor alpha release; TNF-alpha release;  
 KW glucose uptake modulator; PFA uptake modulator;  
 KW cell proliferation stimulator; cell differentiation stimulator;  
 KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
 KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.  
 XX Homo sapiens.  
 XX US2003087344-A1.  
 PN 08-MAY-2003.  
 PD 16-APR-2002; 2002US-00123905.  
 PF 18-JUN-1997; 97US-0049911P.  
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DB 61 HPGSHKVPFFRKXHHHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 113
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ID ABO22590 standard; protein; 105 AA.
XX ABO22590;
XX ABO22590;
XX 04-SEP-2003 (first entry)
XX Human secreted/transmembrane protein PRO1186.
DE Human; PRO; secreted protein; transmembrane protein; antidiabetic;
KW Human; PRO; secreted protein; transmembrane protein; antidiabetic;
KW cytosolic; antirheumatic; antiarthritic; antiulcer; neuroprotective;
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KW antiinflammatory; antibacterial; immunosuppressive; gene therapy;  
KW diabetes; cancer; rheumatoid arthritis; ulcers;  
XX ankyrotrophic lateral sclerosis; inflammatory condition; septic shock.

OS Homo sapiens.

XX US2003017982-A1.

XX 23-JAN-2003.

XX 15-NOV-2001; 2001US-00990441.

XX 16-JUN-1997; 97US-0049787P.

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 Db 61 HPGSHKVPFFKRKHHTCPCLNLLCSRFPDGRYRCMDLKNINF 105

RESULT 114

ID ADA06660  
 XX ADA06660 standard; protein; 105 AA.

AC ADA06660;

XX 29-JAN-2004 (revised)

DT 06-NOV-2003 (first entry)

DE Human secreted/transmembrane PRO polypeptide #115.

XX human; tissue typing; cardiac insufficiency disorder; angiogenesis;  
 KW wound healing; tumour; immune response; retinal disorder; retinal injury;  
 KW sight loss; age-related macular degeneration; AMD; kidney disorder;  
 KW mesangial cell function; Berger disease; nephropathy; dermatitis;

KW herpeticiform; Crohn's disease; sports injury; arthritis.  
 XX Homo sapiens.  
 OS US2003049638-A1.  
 XX 13-MAR-2003.  
 PD 16-NOV-2001; 2001US-00991157.  
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 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089532P.  
 PR 17-JUN-1998; 98US-0089538P.  
 PR 17-JUN-1998; 98US-0089598P.  
 PR 17-JUN-1998; 98US-0089599P.  
 PR 17-JUN-1998; 98US-0089600P.  
 PR 17-JUN-1998; 98US-0089653P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 19-JUN-1998; 98US-0089947P.  
 PR 19-JUN-1998; 98US-0089948P.  
 PR 19-JUN-1998; 98US-0089952P.  
 PR 22-JUN-1998; 98US-0090246P.  
 PR 22-JUN-1998; 98US-0090252P.  
 PR 22-JUN-1998; 98US-0090254P.  
 PR 23-JUN-1998; 98US-0090349P.  
 PR 23-JUN-1998; 98US-0090355P.  
 PR 24-JUN-1998; 98US-0090429P.  
 PR 24-JUN-1998; 98US-0090431P.  
 PR 24-JUN-1998; 98US-0090435P.  
 PR 24-JUN-1998; 98US-0090444P.  
 PR 24-JUN-1998; 98US-0090445P.

PR	07-OCT-1998;	98WO-US021141.
PR	01-DEC-1998;	98WO-US025108.
PR	22-DEC-1998;	98US-0113296P.
PR	05-JAN-1999;	99WO-US000106.
PR	08-MAR-1999;	99WO-US005028.
PR	12-MAR-1999;	99US-0123957P.
PR	02-JUN-1999;	99WO-US012252.
PR	23-JUN-1999;	99US-0141037P.
PR	07-JUL-1999;	99US-0143048P.
PR	20-JUL-1999;	99US-0144758P.
PR	26-JUL-1999;	99US-0145688P.
PR	28-JUL-1999;	99US-0146222P.
PR	17-AUG-1999;	99US-0149396P.
PR	15-SEP-1999;	99WO-US021090.
PR	08-OCT-1999;	99US-0158663P.
PR	30-NOV-1999;	99WO-US028313.
PR	01-DEC-1999;	99WO-US028301.
PR	10-DEC-1999;	99WO-US028634.
PR	16-DEC-1999;	99WO-US030095.
PR	20-DEC-1999;	99WO-US030911.
PR	05-JAN-2000;	2000WO-US000219.
PR	06-JAN-2000;	2000WO-US000376.
PR	11-FEB-2000;	2000WO-US003565.
PR	18-FEB-2000;	2000WO-US004341.
PR	22-FEB-2000;	2000WO-US004414.
PR	24-FEB-2000;	2000WO-US004914.
PR	24-FEB-2000;	2000WO-US005004.
PR	02-MAR-2000;	2000WO-US005841.
PR	10-MAR-2000;	2000WO-US006319.
PR	15-MAR-2000;	2000WO-US006884.
PR	20-MAR-2000;	2000WO-US007377.
PR	30-MAR-2000;	2000WO-US008439.
PR	15-MAY-2000;	2000WO-US013358.
PR	17-MAY-2000;	2000WO-US013705.
PR	22-MAY-2000;	2000WO-US014042.
PR	30-MAY-2000;	2000WO-US014941.
PR	02-JUN-2000;	2000WO-US015264.
PR	23-JUN-2000;	2000US-0213637P.
PR	28-JUL-2000;	2000WO-US020710.
PR	11-AUG-2000;	2000WO-US022031.

Query Match  
Best Local Similarity 100.0%;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Score 589; DB 7; Length 105;  
Pred. No. 2.5e-54;

QY	1	MEGATRVSTIMLLLVTSDCAVITGACERDVCGAGTCACISLWRLGLRMCTPLGREGECC	60
DB	1	MKGATRVSTIMLLLVTSDCAVITGACERDVCGAGTCACISLWRLGLRMCTPLGREGECC	60
QY	61	HFGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSMDLNINF	105
DB	61	HFGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSMDLNINF	105

RESULT 115  
ABJ72140  
ID ABJ72140 standard; protein; 105 AA.  
XX AC ABJ72140;  
XX DT 16-OCT-2003 (first entry)  
XX DE Human membrane bound receptor/protein PR01186 amino acid sequence.  
XX KW Human; PRO; membrane bound protein; membrane bound receptor;  
XX KM mitogenic factor; cell migration; cell differentiation;  
XX KW differentiation factor; survival factor; cytotoxic factor;  
XX KW receptor-ligand interaction; neurostatic; chondrocyte; tumour.  
XX OS Homo sapiens.  
XX XX

PR	07-OCT-1998;	98WO-US021141.
PR	01-DEC-1998;	98WO-US025108.
PR	22-DEC-1998;	98US-0113296P.
PR	05-JAN-1999;	99WO-US000106.
PR	08-MAR-1999;	99WO-US005028.
PR	12-MAR-1999;	99US-0123957P.
PR	02-JUN-1999;	99WO-US012252.
PR	23-JUN-1999;	99US-0141037P.
PR	07-JUL-1999;	99US-0143048P.
PR	20-JUL-1999;	99US-0144758P.
PR	26-JUL-1999;	99US-0145688P.
PR	28-JUL-1999;	99US-0146222P.
PR	17-AUG-1999;	99US-0149396P.
PR	15-SEP-1999;	99WO-US021090.
PR	08-OCT-1999;	99US-0158663P.
PR	30-NOV-1999;	99WO-US028313.
PR	01-DEC-1999;	99WO-US028301.
PR	10-DEC-1999;	99WO-US028634.
PR	16-DEC-1999;	99WO-US030095.
PR	20-DEC-1999;	99WO-US030911.
PR	05-JAN-2000;	2000WO-US000219.
PR	06-JAN-2000;	2000WO-US000376.
PR	11-FEB-2000;	2000WO-US003565.
PR	18-FEB-2000;	2000WO-US004341.
PR	22-FEB-2000;	2000WO-US004414.
PR	24-FEB-2000;	2000WO-US004914.
PR	24-FEB-2000;	2000WO-US005004.
PR	02-MAR-2000;	2000WO-US005841.
PR	10-MAR-2000;	2000WO-US006319.
PR	15-MAR-2000;	2000WO-US006884.
PR	20-MAR-2000;	2000WO-US007377.
PR	30-MAR-2000;	2000WO-US008439.
PR	15-MAY-2000;	2000WO-US013358.
PR	17-MAY-2000;	2000WO-US013705.
PR	22-MAY-2000;	2000WO-US014042.
PR	30-MAY-2000;	2000WO-US014941.
PR	02-JUN-2000;	2000WO-US015264.
PR	23-JUN-2000;	2000US-0213637P.
PR	28-JUL-2000;	2000WO-US020710.
PR	11-AUG-2000;	2000WO-US022031.

Query Match      100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity    100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative    0; Mismatches    0; Indels    0; Gaps    0

QY	1	MKGATRVSTMLLLVTVDCAVITGACERDVCGAGTCCAIISLWRLGMCTPLGREGEEC	60
DB	1	MKGATRVSTMLLLVTVDCAVITGACERDVCGAGTCCAIISLWRLGMCTPLGREGEEC	60
QY	61	HFGSHKVPFFRRKRKHHTCPCLPNLLCSRFPDGRYRCSDMLKNINF	105
DB	61	HFGSHKVPFFRRKRKHHTCPCLPNLLCSRFPDGRYRCSDMLKNINF	105

RESULT 115  
ABJ72140  
ID ABJ72140 standard; protein; 105 AA.  
XX AC ABJ72140;  
XX DT 16-OCT-2003 (first entry)  
XX DE Human membrane bound receptor/protein PR01186 amino acid sequence.  
XX KW Human; PRO; membrane bound protein; membrane bound receptor;  
XX KM mitogenic factor; cell migration; cell differentiation;  
XX KW differentiation factor; survival factor; cytotoxic factor;  
XX KW receptor-ligand interaction; neurostatic; chondrocyte; tumour.  
XX OS Homo sapiens.  
XX XX

PN US2003065147-A1.  
 XX  
 PD 03-APR-2003.  
 XX  
 XX 29-AUG-2002; 2002US-00232224.  
 XX  
 XX 28-JUL-1999; 99US-0146222P.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-APR-2002; 2002US-00119480.  
 XX  
 XX (GETH ) GENENTECH INC.  
 XX  
 XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaldi JC; Gurney AJ, Smith V, Stephan JF, Watanabe CK, Wood WI;  
 XX  
 DR WPI; 2003-522018/49.  
 DR N-PSDB; ABT43964.  
 XX  
 PT One hundred and twenty two nucleic acids encoding PRO polypeptides,  
 PT useful for the manufacture of a medicament for diagnosing or treating  
 PT tumor.  
 XX  
 XX Claim 11; Fig 166; 315pp; English.  
 XX  
 CC This invention relates to one hundred and twenty two novel nucleic acids  
 CC encoding human PRO membrane bound proteins or receptors. Extracellular  
 CC proteins play important roles in the formation, differentiation and  
 CC maintenance of multicellular organisms. The fate of many individual cells  
 CC (for example proliferation, migration or differentiation) is typically  
 CC governed by information received from other cells and the immediate  
 CC environment. The information is often transmitted by secreted  
 CC polypeptides (for example mitogenic factors, survival factors, cytotoxic  
 CC factors, differentiation factors, neuropeptides and hormones) which are  
 CC received and interpreted by diverse cell receptors or membrane bound  
 CC proteins. These membrane bound proteins and receptors may be of use as  
 CC pharmaceutical and diagnostic agents, such as in the blocking of receptor  
 CC -ligand interactions. The current invention provides the amino acid  
 CC sequences of novel human membrane bound receptors and proteins, along  
 CC with the cDNA sequences encoding them. The novel proteins of the  
 CC invention may have cytostatic activities through the stimulation of  
 CC chondrocytes. The nucleic acids of the invention may be useful for the  
 CC manufacture of a medicament for diagnosing or treating a tumour in a  
 CC mammal. In addition, they may be useful for measuring or detecting the  
 CC expression of a tumour associated gene. The present sequence is the amino  
 CC acid sequence of a human PRO protein of the invention  
 XX  
 XX Sequence 105 AA;  
 SQ  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. NO. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWLRGWRCTPLGRGEGC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWLRGWRCTPLGRGEGC 60  
 QY 61 HPGSHKVPFFRKRGKHTCPCLPDLCSRFPDGRYCSMDLKNINF 105  
 Db 61 HPGSHKVPFFRKRGKHTCPCLPDLCSRFPDGRYCSMDLKNINF 105  
 RESULT 116  
 ADA39353  
 ID ADA39353 standard; protein; 105 AA.  
 XX  
 AC ADA39353;  
 XX  
 XX 20-NOV-2003 (first entry)  
 DT  
 XX Human secreted/transmembrane protein PRO1186.  
 DE

XX PRO; secreted protein; transmembrane protein;  
 KW hypertrophy of neonatal heart; angiogenesis;  
 KW vascular endothelial growth factor; VEGF-stimulated proliferation;  
 KW endothelial cell; T-lymphocyte proliferation; retinal neuron;  
 KW c-fos induction; adipocyte cell; chondrocyte differentiation;  
 KW pancreatic beta-cell precursor differentiation; gene therapy; tumour;  
 KW cancer; human; colon cancer; lung cancer; breast cancer;  
 KW rod photoreceptor cell.  
 XX  
 OS Homo sapiens.  
 XX  
 XX US2003059782-A1.  
 XX  
 PD 27-MAR-2003.  
 XX  
 XX 15-NOV-2001; 2001US-00997628.  
 XX  
 PR 16-JUN-1997; 97US-0049787P.  
 PR 17-OCT-1997; 97US-0062250P.  
 PR 03-NOV-1997; 97WO-US020069.  
 PR 12-NOV-1997; 97US-0065186P.  
 PR 13-NOV-1997; 97US-0065311P.  
 PR 24-NOV-1997; 97US-0066770P.  
 PR 25-FEB-1998; 98US-0075945P.  
 PR 20-MAR-1998; 98US-0078310P.  
 PR 28-APR-1998; 98US-0083322P.  
 PR 07-MAY-1998; 98US-0084600P.  
 PR 28-MAY-1998; 98US-0087106P.  
 PR 02-JUN-1998; 98US-0087607P.  
 PR 02-JUN-1998; 98US-0087609P.  
 PR 02-JUN-1998; 98US-0087759P.  
 PR 03-JUN-1998; 98US-0087827P.  
 PR 04-JUN-1998; 98US-0088021P.  
 PR 04-JUN-1998; 98US-0088025P.  
 PR 04-JUN-1998; 98US-0088026P.  
 PR 04-JUN-1998; 98US-0088028P.  
 PR 04-JUN-1998; 98US-0088029P.  
 PR 04-JUN-1998; 98US-0088030P.  
 PR 04-JUN-1998; 98US-0088033P.  
 PR 04-JUN-1998; 98US-0088326P.  
 PR 05-JUN-1998; 98US-0088167P.  
 PR 05-JUN-1998; 98US-0088202P.  
 PR 05-JUN-1998; 98US-0088212P.  
 PR 05-JUN-1998; 98US-0088217P.  
 PR 09-JUN-1998; 98US-0088655P.  
 PR 10-JUN-1998; 98US-0088734P.  
 PR 10-JUN-1998; 98US-0088738P.  
 PR 10-JUN-1998; 98US-0088742P.  
 PR 10-JUN-1998; 98US-0088810P.  
 PR 10-JUN-1998; 98US-0088824P.  
 PR 11-JUN-1998; 98US-0088826P.  
 PR 11-JUN-1998; 98US-0088858P.  
 PR 11-JUN-1998; 98US-0088861P.  
 PR 12-JUN-1998; 98US-0088876P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 16-JUN-1998; 98US-0089440P.  
 PR 16-JUN-1998; 98US-0089512P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089532P.  
 PR 17-JUN-1998; 98US-0089536P.  
 PR 17-JUN-1998; 98US-0089598P.  
 PR 17-JUN-1998; 98US-0089599P.  
 PR 17-JUN-1998; 98US-0089600P.  
 PR 18-JUN-1998; 98US-0089653P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 19-JUN-1998; 98US-0089947P.  
 PR 19-JUN-1998; 98US-0089948P.  
 PR 19-JUN-1998; 98US-0089952P.  
 PR 22-JUN-1998; 98US-0090246P.  
 PR 22-JUN-1998; 98US-0090252P.



cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 liver; microvascular endothelial cell; glucose; FFA;  
 skeletal muscle cell; adipocyte cell; pericyte cell;  
 inner ear utricular supporting cell; T-lymphocyte cell;  
 endothelial cell tube formation; bone disorder; cartilage disorder;  
 sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 immune system cell infiltration.

Homo sapiens.

US2003068793-A1.

10-APR-2003.

15-APR-2002; 2002US-00123108.

31-MAR-1997; 97WO-US005230.

12-JUN-1998; 98WO-US012456.

14-JUL-1998; 98WO-US014552.

28-AUG-1998; 98WO-US017888.

10-SEP-1998; 98WO-US018824.

14-SEP-1998; 98WO-US019093.

14-SEP-1998; 98WO-US019094.

14-SEP-1998; 98WO-US019177.

16-SEP-1998; 98WO-US019330.

17-SEP-1998; 98WO-US019437.

07-OCT-1998; 98WO-US021141.

29-OCT-1998; 98WO-US022991.

20-NOV-1998; 98WO-US024855.

01-DEC-1998; 98WO-US025108.

05-JAN-1999; 99WO-US000106.

08-MAR-1999; 99WO-US005028.

10-MAR-1999; 99WO-US005190.

20-APR-1999; 99WO-US010733.

14-MAY-1999; 99WO-US012552.

02-JUN-1999; 99WO-US020111.

08-SEP-1999; 99WO-US020594.

13-SEP-1999; 99WO-US020944.

15-SEP-1999; 99WO-US021547.

05-OCT-1999; 99WO-US023089.

29-NOV-1999; 99WO-US028214.

30-NOV-1999; 99WO-US028313.

30-NOV-1999; 99WO-US028409.

01-DEC-1999; 99WO-US028301.

01-DEC-1999; 99WO-US028634.

02-DEC-1999; 99WO-US028551.

02-DEC-1999; 99WO-US028564.

02-DEC-1999; 99WO-US028565.

16-DEC-1999; 99WO-US030095.

20-DEC-1999; 99WO-US030911.

22-DEC-1999; 99WO-US030999.

30-DEC-1999; 99WO-US030720.

30-DEC-1999; 99WO-US031243.

30-DEC-1999; 99WO-US031274.

05-JAN-2000; 2000WO-US000219.

06-JAN-2000; 2000WO-US000277.

11-FEB-2000; 2000WO-US000376.

18-FEB-2000; 2000WO-US003565.

18-FEB-2000; 2000WO-US004341.

24-FEB-2000; 2000WO-US004342.

24-FEB-2000; 2000WO-US004414.

24-FEB-2000; 2000WO-US004914.

01-MAR-2000; 2000WO-US005004.

02-MAR-2000; 2000WO-US005601.

02-MAR-2000; 2000WO-US005746.

15-MAR-2000; 2000WO-US005841.

15-MAR-2000; 2000WO-US006319.

20-MAR-2000; 2000WO-US006684.

20-MAR-2000; 2000WO-US007377.

21-MAR-2000; 2000WO-US007532.  
 30-MAR-2000; 2000WO-US008439.  
 17-MAY-2000; 2000WO-US013705.  
 22-MAY-2000; 2000WO-US014042.  
 30-MAY-2000; 2000WO-US014941.  
 02-JUN-2000; 2000WO-US015264.  
 28-JUL-2000; 2000WO-US020710.  
 11-AUG-2000; 2000WO-US023522.  
 23-AUG-2000; 2000WO-US023522.  
 24-AUG-2000; 2000WO-US023328.  
 08-NOV-2000; 2000WO-US030952.  
 10-NOV-2000; 2000WO-US030873.  
 01-DEC-2000; 2000WO-US032678.  
 20-DEC-2000; 2000US-00747259.  
 28-DEC-2000; 2000WO-US034956.  
 28-FEB-2001; 2001US-00796498.  
 01-MAR-2001; 2001WO-US006520.  
 09-MAR-2001; 2001US-00802706.  
 14-MAR-2001; 2001US-00808689.  
 22-MAR-2001; 2001US-00816744.  
 05-APR-2001; 2001US-00828366.  
 10-MAY-2001; 2001US-00854208.  
 10-MAY-2001; 2001US-00854280.  
 18-MAY-2001; 2001US-00860216.  
 25-MAY-2001; 2001US-00866028.  
 25-MAY-2001; 2001US-00866034.  
 25-MAY-2001; 2001WO-US017092.  
 01-JUN-2001; 2001US-00872035.  
 01-JUN-2001; 2001WO-US017800.  
 05-JUN-2001; 2001US-00874503.  
 14-JUN-2001; 2001US-00892636.  
 19-JUN-2001; 2001US-00896342.  
 20-JUN-2001; 2001WO-US019692.  
 21-JUN-2001; 2001US-00887879.  
 22-JUN-2001; 2001WO-US020116.  
 29-JUN-2001; 2001WO-US021066.  
 09-JUL-2001; 2001WO-US021735.  
 18-JUL-2001; 2001US-00908827.  
 06-AUG-2001; 2001US-00924419.  
 09-AUG-2001; 2001US-00927796.  
 16-AUG-2001; 2001US-00931836.  
 19-DEC-2001; 2001US-00028072.

(GETH ) GENENTECH INC.

Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,  
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-695925/66.

N-PSDB; ADA67090.

Novel secreted and transmembrane PRO polypeptides useful for stimulating  
 release of tumor necrosis factor-alpha from human blood and detecting the  
 presence of a tumor in a mammal.

Claim 12; Fig 470; 660pp; English.

The invention relates to isolated human PRO polypeptides (secreted and  
 transmembrane polypeptides) and the polynucleotides encoding them. The  
 invention also relates to an antibody which specifically binds to a PRO  
 polypeptide, a method for stimulating the release of tumor necrosis  
 factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 proliferation or differentiation of chondrocyte cells and a method for  
 detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 polynucleotides are useful in molecular biology, including uses as  
 hybridisation probes, in chromosome and gene mapping, in generating  
 antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 be used in preparing PRO polypeptides by recombinant techniques and in  
 generating either transgenic animals or knock-out animals which are  
 useful in the development and screening of therapeutically useful

CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
 CC SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54; Indels 0; Gaps 0;  
 Matches 105; Conservative 0; Mismatches 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCALISLWLRGLRMCTPLRGEGEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCALISLWLRGLRMCTPLRGEGEC 60  
 QY 61 HPGSHKVPFFFRKXHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFFFRKXHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 118  
 ADB22952  
 ID ADB22952 standard; protein; 105 AA.  
 XX AC ADB22952;  
 XX DT 20-NOV-2003 (first entry)  
 XX DE Human PRO polypeptide #235.  
 KW Human; PRO: secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.

XX OS Homo sapiens.  
 XX PN US2003077711-A1.  
 XX PD 24-APR-2003.  
 XX DF 22-APR-2002; 2002US-00127829.  
 XX FR 22-OCT-1998; 98US-0105169P.  
 XX FR 01-SEP-1999; 99WO-US020111.  
 XX PR 18-OCT-1999; 99US-00403297.  
 XX PR 30-NOV-1999; 99WO-US028313.  
 XX PR 18-FEB-2000; 2000WO-US004342.  
 XX PR 01-DEC-2000; 2000WO-US032678.  
 XX PR 19-DEC-2001; 2001US-00028072.  
 XX PA (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI: 2003-755066/71.  
 DR N-PSDB; ADB22951.  
 DR New secreted and transmembrane PRO polypeptides and nucleic acids, useful  
 XX in gene therapy, as diagnostic markers for the presence of a disease  
 PT condition, or as therapeutic targets for treating tumors, diabetes,  
 PT obesity or arthritis.  
 XX Claim 12; Fig 470; 637pp; English.  
 PS The invention relates to isolated human PRO polypeptides (secreted and  
 XX transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC the proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems, PRO  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCALISLWLRGLRMCTPLRGEGEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCALISLWLRGLRMCTPLRGEGEC 60  
 QY 61 HPGSHKVPFFFRKXHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFFFRKXHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 119  
 ADB23725  
 ID ADB23725 standard; protein; 105 AA.  
 XX AC ADB23725;  
 XX DT 20-NOV-2003 (first entry)  
 XX DE Human PRO polypeptide SEQ ID NO 470.





CC for stimulating the proliferation of T-lymphocyte cells, for stimulating  
CC the release of a cytokine from PBMC cells, for inhibiting the binding of  
CC A-peptide to factor VIRA, for inhibiting the differentiation of adipocyte  
CC cells, for stimulating proliferation of endothelial cells, for detecting  
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,  
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
CC are useful for isolating genomic and cDNA nucleotide sequences or  
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
CC in assays to identify other proteins or molecules involved in binding  
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
CC and gene mapping, in generation of antisense RNA and DNA, in the  
CC preparation of PRO polypeptide, for generating transgenic animals or  
CC knockout animals which in turn are useful in the development and  
CC screening of therapeutically useful reagents, in gene therapy, for  
CC chromosome identification, as chromosome marker, and for generating  
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
CC detecting its expression in specific cells, tissues or serum, and for  
CC affinity purification of PRO from recombinant cell culture or natural  
CC sources. (I) and (II) are useful for tissue typing. This is the amino  
CC acid sequence of a novel human secreted and transmembrane PRO  
CC polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGRGSEC 60  
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGRGSEC 60  
QY 61 HPGSHKVPFFRRKHHTCPCLPNNLLCSRFPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKHHTCPCLPNNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 121

ID ADB15510 standard; protein; 105 AA.

AC ADB15510;

DT 20-NOV-2003 (first entry)

DE Human PRO polypeptide #235.

KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
KW liver; microvascular endothelial cell; glucose; FFA;  
KW skeletal muscle cell; adipocyte cell; pericyte cell;  
KW inner ear utricular supporting cell; T-lymphocyte cell;  
KW endothelial cell tube formation; bone disorder; cartilage disorder;  
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
KW immune system cell infiltration.

OS Homo sapiens.

PN US2003087352-A1.

XX 08-MAY-2003.

XX 22-APR-2002; 2002US-00127824.

XX 17-AUG-1998; 98US-0096891P.

PR 02-JUN-1999; 99WO-US012252.

PR 25-AUG-1999; 99US-00380137.

PR 30-MAR-2000; 2000WO-US008439.

PR 30-MAY-2000; 2000WO-US014941.

PR 01-DEC-2000; 2000WO-US032678.

PR 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-786943/74.  
XX N-PSDB; ADB15509.

XX New PRO nucleic acid, useful for producing a recombinant PRO polypeptide  
XX and for manufacturing a medicament for diagnosing or treating tumor.

XX Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are  
XX useful in the development and screening of therapeutically useful  
XX reagents. The PRO polypeptides or antibodies are used in preparing a  
XX medicament for treating a condition responsive to the polypeptides or  
XX antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX of human microvascular endothelial cells, for modulating the uptake of  
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for  
XX stimulating differentiation of adipocyte cells, for stimulating  
XX proliferation of or gene expression in pericyte cells, for stimulating  
XX the proliferation of inner ear utricular supporting cells or T-lymphocyte  
XX cells, for inducing endothelial cell tube formation and for treating  
XX various bone and/or cartilage disorders such as sports injuries and  
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans  
XX from cartilage are useful for treating sports-related joint problems. PRO  
XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
XX polypeptides are also useful for treating various mammalian haemoglobin-  
XX associated disorders such as various thalassaemias and conditions which  
XX may benefit from enhanced local immune system cell infiltration. This  
XX sequence represents a human PRO polypeptide of the invention. Note: The  
XX sequence data for this patent is also available in electronic format from  
XX USPTO at seqdata.uspto.gov/sequence.html.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGRGSEC 60  
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGRGSEC 60  
QY 61 HPGSHKVPFFRRKHHTCPCLPNNLLCSRFPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKHHTCPCLPNNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 122

ID ADB83656 standard; protein; 105 AA.

AC ADB83656;

XX 04-DEC-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO1186.



human; secreted and transmembrane protein; PRO; cytostatic; vulnery; antiarthritis; pericyte cell proliferation; pericyte cell differentiation; chondrocyte cell proliferation; chondrocyte cell differentiation; tumour necrosis factor alpha release; (TNF)-alpha release; dermal fibroblast cell proliferation; dermal fibroblast cell differentiation inhibitor; tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; tissue typing; chromosome mapping; gene mapping; gene therapy.

Hom sapiens.

US2003073814-A1.

17-APR-2003.

12-AUG-2002; 2002US-00219849.

01-JUN-2001; 2001WO-US017800.

29-JUN-2001; 2001WO-US021066.

09-APR-2002; 2002US-00119480.

(GETH ) GENENTECH INC.

Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WT, WFI; 2003-644806/61.

N-PSDB; ADB83655.

New PRO polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.

Claim 11; Fig 166; 315pp; English.

The invention describes an isolated PRO (secreted and transmembrane) polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are useful for stimulating the proliferation of or gene expression in pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful for stimulating the proliferation or differentiation of chondrocyte cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide are useful for stimulating the release of tumour necrosis factor (TNF)-alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO1478, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080, PRO1134, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309, PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412, PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338, PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1217, PRO1760, PRO1567, PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322, PRO940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for stimulating the proliferation of normal human dermal fibroblasts cells. PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408, PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for inhibiting the proliferation of normal human dermal fibroblast cells. PRO polypeptides such as PRO6004, PRO4981, PRO1714, PRO5778, PRO4332, etc., are useful for detecting the presence of tumour in a mammal which involves comparing the level of expression of the above PRO polypeptides in a test sample of cells taken from the mammal, and a control sample of normal cells of the same cell type, where a higher level of expression of the PRO polypeptides in the test sample as compared to the control sample is indicative of the presence of tumour in the mammal. The tumour is lung tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or liver tumour. (I) is useful as molecular weight markers, for tissue typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is useful for chromosome and gene mapping or gene therapy. (II) is useful for generating transgenic animals or knock-out animals which are useful screening useful reagents. PRO357, PRO1272 or PRO4405 polypeptide is useful for treating bone and/or cartilage disorders (e.g., arthritis, sport injuries). This is the amino acid sequence of a human secreted and transmembrane PRO polypeptide.

SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best local similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLAVTYSDCAVITGACERDVQCAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 DB 1 MRGATRVSIMLLAVTYSDCAVITGACERDVQCAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 QY 61 HPGSHKVPFPRKEKHHTCPLCNLLCSRFPDGYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFPRKEKHHTCPLCNLLCSRFPDGYRCSDMLKNINF 105  
 RESULT 123  
 ADB80762  
 ID ADB80762 standard; protein; 105 AA.  
 XX  
 AC ADB80762;  
 XX  
 DT 04-DEC-2003 (first entry)  
 XX  
 DE Novel human secreted and transmembrane protein PRO1186.  
 XX  
 KW Human; secreted and transmembrane protein; PRO; cytosolic; vulnerary;  
 KW antiarthritic; pericyte cell proliferation;  
 KW pericyte cell differentiation; chondrocyte cell proliferation;  
 KW chondrocyte cell differentiation; tumour necrosis factor alpha release;  
 KW [TNF]-alpha release; dermal fibroblast cell proliferation;  
 KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
 KW colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW liver tumour; tissue typing; chromosome mapping; gene mapping;  
 KW gene therapy.  
 XX  
 KW Homo sapiens.  
 OS  
 SS US2003088068-A1.  
 PN  
 PD  
 XX  
 PD 08-MAY-2003.  
 XX  
 PF 13-AUG-2002; 2002US-00219481.  
 XX  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-APR-2002; 2002US-00119480.  
 XX  
 XX (GETH ) GENENTECH INC.  
 PA  
 PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
 PI  
 XX WPI; 2003-657982/2.  
 DR  
 DR N-PSDB; ADB80761.  
 XX  
 XX One hundred and twenty two nucleic acids encoding PRO polypeptides,  
 XX useful in gene therapy, chromosome identification, tissue typing, or as  
 XX hybridization probes in chromosome and gene mapping.  
 XX  
 XX Claim 11; Fig 166; 305pp; English.  
 XX  
 XX The invention describes an isolated PRO (secreted and transmembrane)  
 XX polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are  
 XX useful for stimulating the proliferation of or gene expression in  
 XX pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful  
 XX for stimulating the proliferation or differentiation of chondrocyte  
 XX cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide  
 XX are useful for stimulating the release of tumour necrosis factor (TNF)-  
 XX alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO214,  
 XX PRO247, PRO337, PRO526, PRO363, PRO331, PRO1083, PRO840, PRO1080,  
 XX PRO1478, PRO1134, PRO926, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,  
 XX PRO1025, PRO181, PRO1126, PRO1186, PRO1192, PRO1274, PRO1412,  
 XX PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338.  
 XX

CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,  
 CC PRO1887, PRO1928, PRO3431, PRO3433, PRO3543, PRO3444, PRO4322,  
 CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for  
 CC stimulating the proliferation of normal human dermal fibroblasts cells.  
 CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,  
 CC PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for  
 CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
 CC polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,  
 CC are useful for detecting the presence of tumour in a mammal which  
 CC involves comparing the level of expression of the above PRO polypeptides  
 CC in a test sample of cells taken from the mammal, and a control sample of  
 CC normal cells of the same cell type, where a higher level of expression of  
 CC the PRO polypeptides in the test sample as compared to the control sample  
 CC is indicative of the presence of tumour in the mammal. The tumour is lung  
 CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. (i) is useful as molecular weight markers, for tissue  
 CC typing, or as therapeutic agents. A polynucleotide (ii) encoding (i) is  
 CC useful for chromosome and gene mapping or gene therapy. (ii) is useful  
 CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
 QY 61 HPGSHKVPFFFRKHKHTCTCPLNLLCSRFPPDGRYRCSDMLKKNIF 105  
 Db 61 HPGSHKVPFFFRKHKHTCTCPLNLLCSRFPPDGRYRCSDMLKKNIF 105

RESULT 124  
 ADB73303  
 ID ADB73303 standard; protein; 105 AA.

AC ADB73303;  
 DT 04-DEC-2003 (first entry)  
 XX Novel human secreted and transmembrane protein PRO1186.  
 DE human; secreted and transmembrane protein; PRO; cytostatic; vulnary;  
 KW antiarthritic; pericyte cell proliferation;  
 KW chondrocyte cell differentiation; chondrocyte cell proliferation;  
 KW chondrocyte cell differentiation; tumour necrosis factor alpha release;  
 KW (TNF)-alpha release; dermal fibroblast cell proliferation;  
 KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
 KW colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW liver tumour; tissue typing; chromosome mapping; gene therapy.

XX Homo sapiens.  
 OS US2003096968-A1.  
 PN 22-MAY-2003.

XX 29-AUG-2002; 2002US-00232223.  
 XX 01-JUN-2001; 2001WO-US017800.  
 XX 29-JUN-2001; 2001WO-US021066.  
 XX 09-APR-2002; 2002US-00119480.

PA (GETH ) GENENTECH INC.

PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
 DR WPI: 2003-765525/72.  
 DR N-PSDB; ADB73302.  
 XX New isolated PRO polypeptides useful as molecular weight markers in  
 PT protein electrophoresis, useful for tissue typing, and for treating  
 XX arthritis and tumors.

Claim 11; Fig 166; 308pp; English.

XX The invention describes an isolated PRO (secreted and transmembrane)  
 CC polypeptide (i). PRO982, PRO1160, PRO1197 or PRO1329 polypeptide are  
 CC useful for stimulating the proliferation of or gene expression in  
 CC pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful  
 CC for stimulating the proliferation or differentiation of chondrocyte  
 CC cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide  
 CC are useful for stimulating the release of tumour necrosis factor (TNF)-  
 CC alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,  
 CC PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,  
 CC PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,  
 CC PRO1025, PRO1181, PRO1126, PRO1186, PRO1273, PRO1274, PRO1412,  
 CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1279, PRO1340, PRO1338,  
 CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1567,  
 CC PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,  
 CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for  
 CC stimulating the proliferation of normal human dermal fibroblasts cells.  
 CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,  
 CC PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for  
 CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
 CC polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,  
 CC are useful for detecting the presence of tumour in a mammal which  
 CC involves comparing the level of expression of the above PRO polypeptides  
 CC in a test sample of cells taken from the mammal, and a control sample of  
 CC normal cells of the same cell type, where a higher level of expression of  
 CC the PRO polypeptides in the test sample as compared to the control sample  
 CC is indicative of the presence of tumour in the mammal. The tumour is lung  
 CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. (i) is useful as molecular weight markers, for tissue  
 CC typing, or as therapeutic agents. A polynucleotide (ii) encoding (i) is  
 CC useful for chromosome and gene mapping or gene therapy. (ii) is useful  
 CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
 QY 61 HPGSHKVPFFFRKHKHTCTCPLNLLCSRFPPDGRYRCSDMLKKNIF 105  
 Db 61 HPGSHKVPFFFRKHKHTCTCPLNLLCSRFPPDGRYRCSDMLKKNIF 105

RESULT 125  
 ADB38762  
 ID ADB38762 standard; protein; 105 AA.

XX ADB38762;  
 XX 04-DEC-2003 (first entry)

XX Novel human secreted and transmembrane protein PRO1186.

KW Human; secreted and transmembrane protein; PRO;  
 KW Tumour necrosis factor alpha release; TNF-alpha release;  
 KW Glucose uptake modulator; FFA uptake modulator;  
 KW cell proliferation stimulator; cell differentiation stimulator;  
 KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
 KW lung tumours; colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
 KW Gene therapy; chromosome identification; chromosome marker.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003082766-A1.  
 XX  
 PD 01-MAY-2003.  
 XX  
 PF 30-MAY-2002; 2002US-00158782.  
 XX  
 PR 31-MAR-1997; 97WO-US005230.  
 PR 12-JUN-1998; 98WO-US012456.  
 PR 14-JUL-1998; 98WO-US014552.  
 PR 28-AUG-1998; 98WO-US017888.  
 PR 10-SEP-1998; 98WO-US018824.  
 PR 14-SEP-1998; 98WO-US019093.  
 PR 14-SEP-1998; 98WO-US019094.  
 PR 14-SEP-1998; 98WO-US019177.  
 PR 16-SEP-1998; 98WO-US019330.  
 PR 17-SEP-1998; 98WO-US019437.  
 PR 07-OCT-1998; 98WO-US021141.  
 PR 29-OCT-1998; 98WO-US022991.  
 PR 29-OCT-1998; 98WO-US022992.  
 PR 20-NOV-1998; 98WO-US024855.  
 PR 01-DEC-1998; 98WO-US025108.  
 PR 05-JAN-1999; 98WO-US000106.  
 PR 08-MAR-1999; 98WO-US005190.  
 PR 10-MAR-1999; 98WO-US005190.  
 PR 20-APR-1999; 98WO-US008615.  
 PR 14-MAY-1999; 98WO-US010733.  
 PR 02-JUN-1999; 98WO-US012252.  
 PR 01-SEP-1999; 98WO-US020111.  
 PR 08-SEP-1999; 98WO-US020594.  
 PR 13-SEP-1999; 98WO-US020944.  
 PR 15-SEP-1999; 98WO-US021090.  
 PR 15-SEP-1999; 98WO-US021547.  
 PR 05-OCT-1999; 98WO-US023089.  
 PR 29-NOV-1999; 98WO-US028214.  
 PR 30-NOV-1999; 98WO-US028313.  
 PR 30-NOV-1999; 98WO-US028409.  
 PR 01-DEC-1999; 98WO-US028301.  
 PR 01-DEC-1999; 98WO-US028634.  
 PR 02-DEC-1999; 98WO-US028551.  
 PR 02-DEC-1999; 98WO-US028564.  
 PR 02-DEC-1999; 98WO-US028565.  
 PR 16-DEC-1999; 98WO-US030095.  
 PR 20-DEC-1999; 98WO-US030911.  
 PR 20-DEC-1999; 98WO-US030999.  
 PR 22-DEC-1999; 98WO-US030720.  
 PR 30-DEC-1999; 98WO-US031243.  
 PR 30-DEC-1999; 98WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 22-FEB-2000; 2000WO-US004342.  
 PR 24-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 01-MAR-2000; 2000WO-US005004.  
 PR 02-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 10-MAR-2000; 2000WO-US005941.  
 PR 15-MAR-2000; 2000WO-US006319.  
 PR 20-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.

21-MAR-2000; 2000WO-US007532.  
 30-MAR-2000; 2000WO-US008439.  
 17-MAY-2000; 2000WO-US013705.  
 22-MAY-2000; 2000WO-US014042.  
 30-MAY-2000; 2000WO-US014941.  
 02-JUN-2000; 2000WO-US015264.  
 28-JUL-2000; 2000WO-US020710.  
 11-AUG-2000; 2000WO-US022031.  
 23-AUG-2000; 2000WO-US023522.  
 24-AUG-2000; 2000WO-US023328.  
 08-NOV-2000; 2000WO-US030952.  
 10-NOV-2000; 2000WO-US030873.  
 01-DEC-2000; 2000WO-US032678.  
 20-DEC-2000; 2000US-00747259.  
 20-DEC-2000; 2000WO-US034956.  
 28-FEB-2001; 2001US-00796496.  
 28-FEB-2001; 2001WO-US006520.  
 01-MAR-2001; 2001WO-US006666.  
 09-MAR-2001; 2001US-00802706.  
 14-MAR-2001; 2001US-00808689.  
 22-MAR-2001; 2001US-00816744.  
 05-APR-2001; 2001US-00823366.  
 10-MAY-2001; 2001US-00854208.  
 10-MAY-2001; 2001US-00854280.  
 18-MAY-2001; 2001US-00860216.  
 25-MAY-2001; 2001US-00866028.  
 25-MAY-2001; 2001US-00866034.  
 25-MAY-2001; 2001WO-US017092.  
 01-JUN-2001; 2001US-00872035.  
 01-JUN-2001; 2001WO-US017800.  
 05-JUN-2001; 2001US-00874503.  
 14-JUN-2001; 2001US-00882636.  
 19-JUN-2001; 2001US-00886342.  
 20-JUN-2001; 2001WO-US019592.  
 21-JUN-2001; 2001US-00887879.  
 22-JUN-2001; 2001WO-US020116.  
 29-JUN-2001; 2001WO-US021066.  
 09-JUL-2001; 2001WO-US021735.  
 18-JUL-2001; 2001US-00908827.  
 06-AUG-2001; 2001US-00924419.  
 09-AUG-2001; 2001US-00927796.  
 16-AUG-2001; 2001US-00931836.  
 19-DEC-2001; 2001US-00028072.  
 (GETH ) GENENTECH INC.  
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,  
 Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WL, Zhang Z;  
 WPI; 2003-786921/74.  
 DR N-PSDB; ADE38761.  
 XX  
 PT New secreted and transmembrane PRO polypeptides and nucleic acids, useful  
 in gene therapy, detecting the presence of tumor in a mammal, or  
 modulating the uptake of glucose or free fatty acid by skeletal muscle  
 cells or adipocyte cells.  
 XX  
 PS Claim 12; Fig 470; 660pp; English.  
 CC The invention describes 305 nucleic acids encoding PRO (secreted and  
 transmembrane) polypeptides (I). (I) is useful for stimulating the  
 release of TNF-alpha from human blood, for modulating the uptake of  
 glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 stimulating the proliferation or differentiation of chondrocyte cells,  
 for stimulating the proliferation or gene expression in pericyte  
 cells, for stimulating the release of proteoglycans from cartilage, for  
 stimulating the proliferation of inner ear utricular supporting cells,  
 for stimulating the proliferation of T-lymphocyte cells, for stimulating  
 the release of a cytokine from PMEC cells, for inhibiting the binding of  
 A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte  
 cells, for stimulating proliferation of endothelial cells, for detecting  
 the presence of tumour in a mammal. The tumour is lung, colon, breast,

RESULT_126	
ADB96379	
ID	ADB96379 standard; protein; 105 AA.
XX	
XX	
AC	ADB96379;
XX	
DT	04-DEC-2003 (first entry)
XX	
DE	Human PRO polypeptide #115.
XX	
KW	Human; PRO; pancreatic beta-cell precursor cell; pancreatic beta-cell;
KW	insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;
KW	thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;
KW	polycystic kidney disease; renal tumour; antidiabetic; antinaemic;
KW	cytostatic; cardiant; vulnery; antiinflammatory; anorectic.
XX	
XX	
OS	Homo sapiens.
XX	
PN	US2003054403-A1.
XX	
PD	20-MAR-2003.
XX	
PF	15-NOV-2001; 2001US-00997559.
XX	
XX	16-JUN-1997; 97US-0049787P.
PR	17-OCT-1997; 97US-0062250P.
PR	05-NOV-1997; 97WO-US020089.
PR	12-NOV-1997; 97US-0065186P.
PR	13-NOV-1997; 97US-0065311P.
PR	24-NOV-1997; 97US-0065770P.
PR	25-FEB-1998; 98US-0075945P.
PR	20-MAR-1998; 98US-0078910P.
PR	28-APR-1998; 98US-0083322P.
PR	07-MAY-1998; 98US-0084600P.
PR	28-MAY-1998; 98US-0087105P.
PR	02-JUN-1998; 98US-0087607P.
PR	02-JUN-1998; 98US-0087609P.
PR	02-JUN-1998; 98US-0087759P.
PR	03-JUN-1998; 98US-0087827P.
PR	04-JUN-1998; 98US-0088021P.
PR	04-JUN-1998; 98US-0088025P.

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PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 12-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98US-0100933P.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98US-0101943P.
PR 07-OCT-1998; 98US-0101141P.
PR 01-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 98US-0113296P.
PR 08-MAR-1999; 98US-0123957P.
PR 12-MAR-1999; 98US-0123957P.
PR 02-JUN-1999; 98US-014037P.
PR 23-JUN-1999; 98US-0143048P.
PR 07-JUL-1999; 98US-0144758P.
PR 20-JUL-1999; 98US-0145698P.
PR 26-JUL-1999; 98US-0146222P.
PR 28-JUL-1999; 98US-0149396P.
PR 17-AUG-1999; 98US-0149396P.
PR 15-SEP-1999; 98US-01502109P.
PR 15-SEP-1999; 98US-01502154P.
PR 08-OCT-1999; 98US-0158663P.
PR 30-NOV-1999; 98US-0158663P.
PR 01-DEC-1999; 98US-0202831P.
PR 01-DEC-1999; 98US-0202830P.
PR 01-DEC-1999; 98US-0202863P.
PR 16-DEC-1999; 98US-0203009P.
PR 20-DEC-1999; 98US-0203091P.
PR 05-JAN-2000; 2000US-0000219P.
PR 06-JAN-2000; 2000US-0000375P.
PR 11-FEB-2000; 2000US-0003565P.
PR 18-FEB-2000; 2000US-0004341P.
PR 22-FEB-2000; 2000US-0004414P.
PR 24-FEB-2000; 2000US-0004914P.
PR 24-FEB-2000; 2000US-0005004P.
PR 02-MAR-2000; 2000US-0005841P.
PR 10-MAR-2000; 2000US-0006319P.
PR 15-MAR-2000; 2000US-0006894P.
PR 20-MAR-2000; 2000US-0007377P.
PR 30-MAR-2000; 2000US-0008439P.
PR 15-MAY-2000; 2000US-0013358P.
PR 17-MAY-2000; 2000US-0013705P.
PR 22-MAY-2000; 2000US-0014042P.
PR 30-MAY-2000; 2000US-0014941P.
PR 02-JUN-2000; 2000US-0015264P.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000US-0202071P.
PR 11-AUG-2000; 2000US-022031P.
PR 23-AUG-2000; 2000US-023522P.
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MEGATRVSIMLLLVTSQCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
DB 1 MEGATRVSIMLLLVTSQCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
QY 61 HPGSHKVPFFRRKRKHTCPCLNLLCSRFDPGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKRKHTCPCLNLLCSRFDPGRYRCSMDLKNINF 105
RESULT 127
ADB78385
ID ADB78385 standard; protein; 105 AA.
XX AC ADB78385;
XX XX
DT 04-DEC-2003 (first entry)
XX DE Novel human secreted and transmembrane protein PRO1186.
XX KW Human; secreted and transmembrane protein; PRO; cytostatic; vulnary;
KW antarthritic; pericyte cell proliferation;
KW pericyte cell differentiation; chondrocyte cell proliferation;
KW chondrocyte cell differentiation; tumour necrosis factor alpha release;
KW (TNF)-alpha release; dermal fibroblast cell proliferation;
KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW liver tumour; tissue typing; chromosome mapping; gene mapping;
XX Gene therapy.
XX OS Homo sapiens.
XX XX
XX US2003092889-A1.
XX PN
XX PD 15-MAY-2003.
XX PF 13-AUG-2002; 2002US-00219478.
XX XX
XX 01-JUN-2001; 2001US-0017800.
XX PR 29-JUN-2001; 2001US-0021056.
XX PR 09-APR-2002; 2002US-00119480.
XX XX
XX (GETH ) GENENTECH INC.
XX PA
XX PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
XX PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX XX
XX WPI; 2003-765495/72.
XX DR N-PSDB; ADB78384.
XX DR
XX PT New isolated PRO polypeptide useful for tissue typing, gene therapy, as
XX PT molecular weight markers in protein electrophoresis, and for treating
XX PT arthritis and tumors.
XX XX
```

PS Claim 11; Fig 166; 308pp; English.

XX The invention describes an isolated PRO (secreted and transmembrane) polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are useful for stimulating the proliferation of or gene expression in pericyte cells. PRO357, PRO329, PRO1272 or PRO4405 polypeptide are useful for stimulating the proliferation or differentiation of chondrocyte cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide are useful for stimulating the release of tumour necrosis factor (TNF)-alpha from human blood. PRO357, PRO357, PRO725, PRO1306, PRO1419, PRO214, PRO247, PRO337, PRO526, PRO363, PRO531, PRO1033, PRO840, PRO1080, PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309, PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1412, PRO1286, PRO1330, PRO1337, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338, PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567, PRO1897, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322, PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for stimulating the proliferation of normal human dermal fibroblasts cells.

CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408, PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for inhibiting the proliferation of normal human dermal fibroblast cells. PRO polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc., are useful for detecting the presence of tumour in a mammal which involves comparing the level of expression of the above PRO polypeptides in a test sample of cells taken from the mammal, and a control sample of normal cells of the same cell type, where a higher level of expression of the PRO polypeptides in the test sample as compared to the control sample is indicative of the presence of tumour in the mammal. The tumour is lung tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or liver tumour. (I) is useful as molecular weight markers, for tissue typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is useful for chromosome and gene mapping or gene therapy. (II) is useful for generating transgenic animals or knock-out animals which are useful screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide is useful for treating bone and/or cartilage disorders (e.g., arthritis, sport injuries). This is the amino acid sequence of a human secreted and transmembrane PRO polypeptide.

XX Sequence 105 AA;

Best Local Similarity 100.0%; Score 589; DB 7; Length 105; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLRGEGEC 60

Db 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLRGEGEC 60

Qy 61 HPGSHKVPFFRKRKHTCTCPLNLLCSRPDPGRYCSMDLNINF 105

Db 61 HPGSHKVPFFRKRKHTCTCPLNLLCSRPDPGRYCSMDLNINF 105

RESULT 128

ID ADB38210

XX ADB38210 standard; protein; 105 AA.

AC ADB38210;

DT 04-DEC-2003 (first entry)

XX Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; PRO;

KW Tumour necrosis factor alpha release; TNF-alpha release;

KW Glucose uptake modulator; PFA uptake modulator;

KW cell proliferation stimulator; cell differentiation stimulator;

KW cell differentiation inhibitor; cytokine release stimulator; tumour;

KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;

KW cervical tumour; liver tumour; chromosome mapping; gene mapping;

XX gene therapy; chromosome identification; chromosome marker.

XX Homo sapiens.

XX US2003087347-A1.

XX 08-MAY-2003.

XX 19-APR-2002; 2002US-00125921.

XX 17-AUG-1998; 98US-0096791P.

XX 02-JUN-1999; 99WO-US012252.

XX 25-AUG-1999; 99US-00380137.

XX 30-MAR-2000; 2000WO-US008439.

XX 01-DEC-2000; 2000WO-US032678.

XX 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W; Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S; Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z; WPI; 2003-786938/74.

XX N-PSDB; ADB38209.

XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide and for manufacturing a medicament for diagnosing or treating tumor.

XX Claim 12; Fig 470; 637pp; English.

XX The invention describes 305 nucleic acids encoding PRO (secreted and transmembrane) polypeptides (I). (I) is useful for stimulating the release of TNF-alpha from human blood, for modulating the uptake of glucose or PFA by skeletal muscle cells or adipocyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the proliferation of T-lymphocyte cells, for stimulating the release of a cytokine from BMC cells, for inhibiting the binding of A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte cells, for stimulating proliferation of endothelial cells, for detecting the presence of tumour in a mammal. The tumour is lung, colon, breast, prostate, rectal, cervical or liver tumour. The oligonucleotide probes are useful for isolating genomic and cDNA nucleotide sequences or antisense probes. (I) is also useful as therapeutic agent. PRO is useful in assays to identify other proteins or molecules involved in binding interaction. A polynucleotide (II) encoding (I) is useful in chromosome and gene mapping, in generation of antisense RNA and DNA, in the preparation of PRO polypeptide, for generating transgenic animals or knock-out animals which in turn are useful in the development and screening of therapeutically useful reagents, in gene therapy, for chromosome identification, as chromosome marker, and for generating probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g. detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. (I) and (II) are useful for tissue typing. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105; Best Local Similarity 100.0%; Pred. No. 2.5e-54; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLRGEGEC 60

Db 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLRGEGEC 60

Qy 61 HPGSHKVPFFRKRKHTCTCPLNLLCSRPDPGRYCSMDLNINF 105

Db 61 HPGSHKVPFFRKRKHTCTCPLNLLCSRPDPGRYCSMDLNINF 105

## RESULT 129

ADB66682  
ID ADB66682 standard; protein; 105 AA.  
XX AC ADB66682;  
XX DT 04-DEC-2003 (first entry)  
XX DE Novel human secreted and transmembrane protein PRO1186.  
XX KW Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW Glucose uptake modulator; FFA uptake modulator;  
KW Cell proliferation stimulator; cell differentiation stimulator;  
KW Cell differentiation inhibitor; cytokine release stimulator;  
KW Lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW Cervical tumour; liver tumour; chromosome mapping; gene mapping;  
KW Gene therapy; chromosome identification; chromosome marker.  
XX OS Homo sapiens.  
XX PN US2003082689-A1.  
XX PD 01-MAY-2003.  
XX PF 22-APR-2002; 2002US-00127831.  
XX 31-MAR-1997; 97WO-US005230.  
PR 12-JUN-1998; 98WO-US012456.  
PR 14-JUL-1998; 98WO-US014552.  
PR 28-AUG-1998; 98WO-US017888.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019033.  
PR 14-SEP-1998; 98WO-US019094.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022991.  
PR 29-OCT-1998; 98WO-US022992.  
PR 20-NOV-1998; 98WO-US024855.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 98WO-US000106.  
PR 08-MAR-1999; 98WO-US005028.  
PR 10-MAR-1999; 98WO-US005190.  
PR 20-APR-1999; 98WO-US008615.  
PR 14-MAY-1999; 98WO-US010733.  
PR 02-JUN-1999; 98WO-US012252.  
PR 01-SEP-1999; 98WO-US020111.  
PR 08-SEP-1999; 98WO-US020594.  
PR 13-SEP-1999; 98WO-US020944.  
PR 15-SEP-1999; 98WO-US021090.  
PR 15-SEP-1999; 98WO-US021547.  
PR 05-OCT-1999; 98WO-US023089.  
PR 29-NOV-1999; 98WO-US028214.  
PR 30-NOV-1999; 98WO-US028313.  
PR 30-NOV-1999; 98WO-US028409.  
PR 01-DEC-1999; 98WO-US028301.  
PR 01-DEC-1999; 98WO-US028634.  
PR 02-DEC-1999; 98WO-US028551.  
PR 02-DEC-1999; 98WO-US028564.  
PR 02-DEC-1999; 98WO-US028565.  
PR 16-DEC-1999; 98WO-US030095.  
PR 20-DEC-1999; 98WO-US030911.  
PR 20-DEC-1999; 98WO-US030999.  
PR 22-DEC-1999; 98WO-US030720.  
PR 30-DEC-1999; 98WO-US031243.  
PR 30-DEC-1999; 98WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US000356.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 21-MAR-2000; 2000WO-US007532.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2000US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006666.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00829366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 10-MAY-2001; 2001US-00854280.  
PR 18-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001US-00866034.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00897879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 06-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-786905/74.  
DR N-PSDB; ADB66681.  
XX New PRO nucleic acid, useful for preparing a composition for treating  
PT e.g. tumor or for tissue typing.  
XX Claim 12; Fig 470; 637pp; English.  
XX The invention describes 305 nucleic acids encoding PRO (secreted and  
CC transmembrane) polypeptides (I). (I) is useful for stimulating the  
CC release of TNF-alpha from human blood, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating the proliferation or differentiation of chondrocyte cells,



CC for stimulating the proliferation of or gene expression in pericyte  
 CC cells, for stimulating the release of proteoglycans from cartilage, for  
 CC stimulating the proliferation of inner ear utricular supporting cells,  
 CC for stimulating the proliferation of T-lymphocyte cells, for stimulating  
 CC the release of a cytokine from PBMC cells, for inhibiting the binding of  
 CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte  
 CC cells, for stimulating proliferation of endothelial cells, for detecting  
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,  
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
 CC are useful for isolating genomic and cDNA nucleotide sequences or  
 CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
 CC in assays to identify other proteins or molecules involved in binding  
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
 CC and gene mapping, in generation of antisense RNA and DNA, in the  
 CC preparation of PRO polypeptide, for generating transgenic animals or  
 CC knockout animals which in turn are useful in the development and  
 CC screening of therapeutically useful reagents, in gene therapy, for  
 CC chromosome identification, as chromosome marker, and for generating  
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
 CC detecting its expression in specific cells, tissues or serum, and for  
 CC affinity purification of PRO from recombinant cell culture or natural  
 CC sources. (I) and (II) are useful for tissue typing. This is the amino  
 CC acid sequence of a novel human secreted and transmembrane PRO  
 CC polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISILWRLGRLMCTPLGREGEEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISILWRLGRLMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRRKHKHTCTCLPCLNLLCSRFDPDGRYCSMDLKNINF 105  
 DB 61 HPGSHKVPFFRRKHKHTCTCLPCLNLLCSRFDPDGRYCSMDLKNINF 105

RESULT 130

ADB85033  
 ID ADB85033 standard; protein; 105 AA.

AC ADB85033;

DT 04-DEC-2003 (first entry)

XX Human PRO polypeptide #83.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide; tumour;  
 KW cancer; lung; colon; breast; prostate; rectum; liver;  
 KW tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell;  
 KW pericyte cell; dermal fibroblast; bone disorder; cartilage disorder;  
 KW arthritis; sports injury; cytostatic; antiarthritic.

OS Homo sapiens.

XX US2003073817-A1.

XX 17-APR-2003.

XX 26-AUG-2002; 2002US-00227883.

XX 01-AUG-2000; 2000US-022425P.

XX 01-JUN-2001; 2001WO-US017800.

XX 29-JUN-2001; 2001WO-US021066.

XX 03-APR-2002; 2002US-00119480.

XX (GETH ) GENENTECH INC.

XX Baker KP, Desnoyers L, Getritsen ME, Goddard A, Godowski PU;  
 PI Grimaldi JC, Gurney AL, Smith V, Stephan JP, Watanabe CK, Wood WI;

XX WPI: 2003-730024/59.  
 DR N-PGDB; ADB85032.  
 XX New PRO polypeptides and nucleic acids encoding the polypeptides, useful  
 PT e.g. in gene therapy, disease diagnosis, chromosome identification and  
 PT tissue typing.

XX Claim 11; Fig 166; 314pp; English.

CC The invention relates to human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the PRO polynucleotides encoding them.  
 CC The PRO polypeptides and polynucleotides are useful as pharmaceuticals,  
 CC diagnostics, biosensors or bioreactors. They are particularly useful for  
 CC detecting tumours (e.g. lung tumour, colon tumour, breast tumour,  
 CC prostate tumour, rectal tumour or liver tumour) in a mammal, for  
 CC stimulating the release of tumour necrosis factor (TNF)-alpha from human  
 CC blood, for stimulating the proliferation or differentiation of  
 CC chondrocyte cells, for stimulating the proliferation of or gene  
 CC expression in pericyte cells or for stimulating the proliferation of  
 CC normal human dermal fibroblasts. The PRO nucleic acids are useful as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA, in preparing PRO polypeptides by recombinant  
 CC technology, in generating transgenic animals or knock-out animals which  
 CC may be used in the development and screening of therapeutically useful  
 CC reagents, in gene therapy, in chromosome identification, as chromosome  
 CC markers and in generating probes. The PRO polypeptides, or anti-PRO  
 CC antibodies, are useful for preparing a medicament for treating a  
 CC condition which is responsive to the PRO polypeptides or anti-PRO  
 CC antibodies, such as pericyte-associated tumours and bone and/or cartilage  
 CC disorders (e.g. arthritis, sports injuries), involving inducing the re-  
 CC differentiation of chondrocytes. The PRO polypeptides are useful as  
 CC molecular markers for protein electrophoresis, and in tissue typing. This  
 CC sequence represents a human PRO polypeptide of the invention.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISILWRLGRLMCTPLGREGEEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISILWRLGRLMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRRKHKHTCTCLPCLNLLCSRFDPDGRYCSMDLKNINF 105  
 DB 61 HPGSHKVPFFRRKHKHTCTCLPCLNLLCSRFDPDGRYCSMDLKNINF 105

RESULT 131

ADB89762  
 ID ADB89762 standard; protein; 105 AA.

XX ADB89762;

XX 04-DEC-2003 (first entry)

XX Human PRO polypeptide #235.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; PFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.

XX Homo sapiens.

XX



PN US2003082698-A1.  
XX 01-MAY-2003;  
XX 22-APR-2002; 2002US-00127850.  
XX 20-AUG-1998; 98US-0097218P.  
XX 02-JUN-1999; 99WO-US012252.  
XX 25-AUG-1999; 99US-00380137.  
XX 02-MAR-2000; 2000WO-US005841.  
XX 30-MAR-2000; 2000WO-US008439.  
XX 01-DEC-2000; 2000WO-US032678.  
XX 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Geritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WL, Zhang Z;/  
XX WPI; 2003-743896/70.  
XX N-PSDB; ADB89761.  
XX New PRO nucleic acids and encoded polypeptides, useful in the treatment  
XX of cancer.  
XX Claim 12; Fig 470; 637pp; English.  
XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are  
XX useful in the development and screening of therapeutically useful  
XX reagents. The PRO polypeptides or antibodies are used in preparing a  
XX medicament for treating a condition responsive to the polypeptides or  
XX antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX of human microvascular endothelial cells, for modulating the uptake of  
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for  
XX stimulating differentiation of adipocyte cells, for stimulating  
XX the proliferation of or gene expression in pericyte cells, for stimulating  
XX the proliferation of inner ear utricular supporting cells or T-lymphocyte  
XX cells, for inducing endothelial cell tube formation and for treating  
XX various bone and/or cartilage disorders such as sports injuries and  
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans  
XX from cartilage are useful for treating sports-related joint problems,  
XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
XX polypeptides are also useful for treating various mammalian haemoglobin-  
XX associated disorders such as various thalassemias and conditions which  
XX may benefit from enhanced local immune system cell infiltration. This  
XX sequence represents a human PRO polypeptide of the invention. Note: The  
XX sequence data for this patent is also available in electronic format from  
XX USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGRGEEC 60  
Db 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGRGEEC 60  
Qy .61 HPGSHKVPFFRKRKHHTCPCLNLLCSRFDPGRYRCMDLKNINF 105

Db .61 HPGSHKVPFFRKRKHHTCPCLNLLCSRFDPGRYRCMDLKNINF 105  
RESULT 132  
ADB90494  
ID ADB90494 standard; protein; 105 AA.  
XX AC ADB90494;  
XX DT 04-DEC-2003 (first entry)  
XX DE Human PRO polypeptide #235.  
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
XX tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
XX cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;  
XX liver; microvascular endothelial cell; glucose; FFA;  
XX skeletal muscle cell; adipocyte cell; pericyte cell;  
XX inner ear utricular supporting cell; T-lymphocyte cell;  
XX endothelial cell tube formation; bone disorder; cartilage disorder;  
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
XX rheumatoid arthritis; haemoglobin-associated disorder thalassemia;  
XX immune system cell infiltration.  
XX Homo sapiens.  
XX OS  
XX US2003082762-A1.  
XX PN  
XX 01-MAY-2003.  
XX PD  
XX 15-APR-2002; 2002US-00123235.  
XX 31-MAR-1997; 97WO-US005230.  
XX 12-JUN-1998; 98WO-US012456.  
XX 14-JUL-1998; 98WO-US014552.  
XX 28-AUG-1998; 98WO-US017888.  
XX 10-SEP-1998; 98WO-US018824.  
XX 14-SEP-1998; 98WO-US019094.  
XX 14-SEP-1998; 98WO-US019177.  
XX 17-SEP-1998; 98WO-US019330.  
XX 07-OCT-1998; 98WO-US021141.  
XX 29-OCT-1998; 98WO-US022991.  
XX 20-NOV-1998; 98WO-US024855.  
XX 01-DEC-1998; 98WO-US025108.  
XX 05-JAN-1999; 99WO-US000106.  
XX 08-MAR-1999; 99WO-US005028.  
XX 20-MAR-1999; 99WO-US005190.  
XX 14-MAY-1999; 99WO-US008615.  
XX 02-JUN-1999; 99WO-US010733.  
XX 01-SEP-1999; 99WO-US020111.  
XX 08-SEP-1999; 99WO-US020594.  
XX 13-SEP-1999; 99WO-US020944.  
XX 15-SEP-1999; 99WO-US021090.  
XX 05-OCT-1999; 99WO-US021547.  
XX 29-NOV-1999; 99WO-US028214.  
XX 30-NOV-1999; 99WO-US028213.  
XX 01-DEC-1999; 99WO-US028301.  
XX 01-DEC-1999; 99WO-US028634.  
XX 02-DEC-1999; 99WO-US028551.  
XX 02-DEC-1999; 99WO-US028564.  
XX 02-DEC-1999; 99WO-US028565.  
XX 16-DEC-1999; 99WO-US030095.  
XX 20-DEC-1999; 99WO-US030911.  
XX 22-DEC-1999; 99WO-US030999.  
XX 30-DEC-1999; 99WO-US030720.  
XX 30-DEC-1999; 99WO-US031243.

XX CC The invention relates to isolated human PRO polypeptides (secreted and transmembrane polypeptides) and the polynucleotides encoding them. The invention also relates to an antibody which specifically binds to a PRO polypeptide, a method for stimulating the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54; Indels 0; Gaps 0;  
Matches 105; Conservative 0; Mismatches 0;

Qy 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCACISILWRLGLRMCTPLRGEGEC 60  
|||||  
Db 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCACISILWRLGLRMCTPLRGEGEC 60  
|||||

Qy 61 HPGSHKVPFPRKRKHTCTCPNLCSRFPPDGRVRCSDMLKXINF 105  
|||||  
Db 61 HPGSHKVPFPRKRKHTCTCPNLCSRFPPDGRVRCSDMLKXINF 105  
|||||

RESULT 133  
ADB39595  
ID ADB39595 standard; protein; 105 AA.  
XX AC ADB39595;  
XX 04-DEC-2003 (first entry)  
XX DE Novel human secreted and transmembrane protein PRO1186.  
XX KW Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW Glucose uptake modulator; FFA uptake modulator;  
KW Cell proliferation stimulator; Cell differentiation stimulator;  
KW Cell differentiation inhibitor; cytokine release stimulator; tumour;  
KW Lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW Cervical tumour; liver tumour; chromosome mapping; gene mapping;  
KW gene therapy; chromosome identification; chromosome marker.  
XX OS Homo sapiens.  
XX XX  
XX FN US2003082764-A1.  
XX XX

PD 01-MAY-2003. 97WO-US0052230.  
XX 12-JUN-1997; 98WO-US012456.  
XX 14-JUL-1998; 98WO-US014552.  
PR 28-AUG-1998; 98WO-US017888.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019093.  
PR 14-SEP-1998; 98WO-US019094.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022931.  
PR 29-OCT-1998; 98WO-US022932.  
PR 20-NOV-1998; 98WO-US024855.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 98WO-US000106.  
PR 08-MAR-1999; 98WO-US005028.  
PR 10-MAR-1999; 98WO-US005190.  
PR 20-APR-1999; 98WO-US008615.  
PR 14-MAY-1999; 98WO-US010733.  
PR 02-JUN-1999; 98WO-US012252.  
PR 01-SEP-1999; 98WO-US020111.  
PR 08-SEP-1999; 98WO-US020594.  
PR 13-SEP-1999; 98WO-US020944.  
PR 15-SEP-1999; 98WO-US021090.  
PR 15-SEP-1999; 98WO-US021547.  
PR 05-OCT-1999; 98WO-US023089.  
PR 29-NOV-1999; 98WO-US028214.  
PR 30-NOV-1999; 98WO-US028313.  
PR 30-NOV-1999; 98WO-US028409.  
PR 01-DEC-1999; 98WO-US028301.  
PR 01-DEC-1999; 98WO-US028634.  
PR 02-DEC-1999; 98WO-US028551.  
PR 02-DEC-1999; 98WO-US028564.  
PR 02-DEC-1999; 98WO-US028565.  
PR 16-DEC-1999; 98WO-US030095.  
PR 20-DEC-1999; 98WO-US030911.  
PR 20-DEC-1999; 98WO-US030999.  
PR 22-DEC-1999; 98WO-US030720.  
PR 30-DEC-1999; 98WO-US031243.  
PR 30-DEC-1999; 98WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 01-MAR-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005501.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 21-MAR-2000; 2000WO-US007532.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US008520.  
PR 01-MAR-2001; 2001WO-US008666.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.  
PR 22-MAR-2001; 2001US-00816744.  
PR 05-APR-2001; 2001US-00828366.  
PR 10-MAY-2001; 2001US-00854208.  
PR 18-MAY-2001; 2001US-00854280.  
PR 25-MAY-2001; 2001US-00860216.  
PR 25-MAY-2001; 2001US-00866028.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001US-00872035.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 05-JUN-2001; 2001US-00874503.  
PR 14-JUN-2001; 2001US-00882636.  
PR 19-JUN-2001; 2001US-00886342.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-00887879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 08-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-786919/74.  
DR N-PSDB; AD339594.  
DR New secreted and transmembrane PRO polypeptide useful for detecting the  
XX presence of tumor in a mammal, or modulating the uptake of glucose or  
XX free fatty acid by skeletal muscle cells or adipocyte cells.  
XX Claim 12; Fig 470; 659pp; English.  
XX The invention describes 305 nucleic acids encoding PRO (secreted and  
CC transmembrane) polypeptides (I). (I) is useful for stimulating the  
CC release of TNF-alpha from human blood, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating the proliferation or differentiation of chondrocyte cells,  
CC for stimulating the proliferation of or gene expression in pericyte  
CC cells, for stimulating the release of proteoglycans from cartilage, for  
CC stimulating the proliferation of inner ear utricular supporting cells,  
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating  
CC the release of a cytokine from PMC cells, for inhibiting the binding of  
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte  
CC cells, for stimulating proliferation of endothelial cells, for detecting  
CC the presence of tumor in a mammal. The tumour is lung, colon, breast,  
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
CC are useful for isolating genomic and cDNA nucleotide sequences or  
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
CC in assays to identify other proteins or molecules involved in binding  
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
CC and gene mapping, in generation of antisense RNA and DNA, in the  
CC preparation of PRO polypeptide, for generating transgenic animals or  
CC knockout animals which in turn are useful in the development and  
CC screening of therapeutically useful reagents, in gene therapy, for  
CC chromosome identification, as chromosome marker, and for generating  
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
CC detecting its expression in specific cells, tissues or serum, and for  
CC affinity purification of PRO from recombinant cell culture or natural  
CC sources. (I) and (II) are useful for tissue typing. This is the amino

CC acid sequence of a novel human secreted and transmembrane PRO  
 CC polypeptide.  
 XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGGEC 60

QY 61 HPGSHKVPFFRKHKHTCTCLPNLLCSRPDPGRYRCSDMLKKNINF 105

Db 61 HPGSHKVPFFRKHKHTCTCLPNLLCSRPDPGRYRCSDMLKKNINF 105

# RESULT 134

ADB78139

ID ADB78139 standard; protein; 105 AA.

XX AC ADB78139;

XX AC ADB78139;

DT 04-DEC-2003 (first entry)

XX 04-DEC-2003 (first entry)

DE Novel human secreted and transmembrane protein P101186.

XX Human; secreted and transmembrane protein; PRO; cytostatic; vulnary;  
 KW antiarthritic; pericyte cell proliferation;  
 KW chondrocyte cell differentiation; chondrocyte cell proliferation;  
 KW chondrocyte cell differentiation; tumour necrosis factor alpha release;  
 KW (TNF)-alpha release; dermal fibroblast cell proliferation; lung tumour;  
 KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
 KW colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW liver tumour; tissue typing; chromosome mapping; gene mapping;  
 KW gene therapy.

XX Homo sapiens.

OS US2003092886-A1.

XX US2003092886-A1.

XX 15-MAY-2003.

XX 09-AUG-2002; 2002US-00216165.

XX 25-JUL-2000; 2000US-0220607P.

XX 01-JUN-2001; 2001WO-US017800.

XX 25-JUN-2001; 2001WO-US021066.

XX 09-APR-2002; 2002US-00119480.

XX (GETH ) GENENTECH INC.

XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;

PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;

XX WPI; 2003-765494/72.

DR N-PSDB; ADB78139.

XX Novel isolated PRO polypeptide useful for tissue typing, gene therapy, as

PT molecular weight markers in protein electrophoresis, for treating  
 PT arthritis, tumor.  
 XX Claim 11; Fig 166; 308pp; English.

XX The invention describes an isolated PRO (secreted and transmembrane)

CC polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are  
 CC useful for stimulating the proliferation of or gene expression in  
 CC pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful  
 CC for stimulating the proliferation or differentiation of chondrocyte  
 CC cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide  
 CC are useful for stimulating the release of tumour necrosis factor (TNF).  
 CC alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO2114,

CC PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,  
 CC PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,  
 CC PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,  
 CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,  
 CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,  
 CC PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4332,  
 CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for  
 CC stimulating the proliferation of normal human dermal fibroblasts cells.  
 CC PRO181, PRO222, PRO788, PRO1194, PRO1272, PRO1486, PRO4302, PRO4408,  
 CC PRO723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for  
 CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
 CC polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,  
 CC are useful for detecting the presence of tumour in a mammal which  
 CC involves comparing the level of expression of the above PRO polypeptides  
 CC in a test sample of cells taken from the mammal, and a control sample of  
 CC normal cells of the same cell type, where a higher level of expression of  
 CC the PRO polypeptides in the test sample as compared to the control sample  
 CC is indicative of the presence of tumour in the mammal. The tumour is lung  
 CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. (I) is useful as molecular weight markers, for tissue  
 CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is  
 CC useful for chromosome and gene mapping or gene therapy. (II) is useful  
 CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.5e-54;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGGEC 60

QY 61 HPGSHKVPFFRKHKHTCTCLPNLLCSRPDPGRYRCSDMLKKNINF 105

Db 61 HPGSHKVPFFRKHKHTCTCLPNLLCSRPDPGRYRCSDMLKKNINF 105

# RESULT 135

ADB87205

ID ADB87205 standard; protein; 105 AA.

XX AC ADB87205;

XX AC ADB87205;

DT 04-DEC-2003 (first entry)

XX 04-DEC-2003 (first entry)

DE Human PRO polypeptide #83.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide; tumour;  
 KW cancer; lung; colon; breast; prostate; rectum; liver;  
 KW tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell;  
 KW pericyte cell; dermal fibroblast; bone disorder; cartilage disorder;  
 KW arthritis; sports injury; cytostatic; antiarthritic.

XX Homo sapiens.

OS US2003088067-A1.

XX US2003088067-A1.

XX 08-MAY-2003.

XX 13-AUG-2002; 2002US-00219479.

XX 01-JUN-2001; 2001WO-US017800.

XX 29-JUN-2001; 2001WO-US021066.

XX 09-APR-2002; 2002US-00119480.

XX (GETH ) GENENTECH INC.

PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,  
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
XX WPI; 2003-657981/62.  
DR N-PSDB; ADB87204.  
XX  
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,  
PT useful in gene therapy, chromosome identification, tissue typing, or as  
PT hybridization probes in chromosome and gene mapping.  
XX  
PS Claim 11; Fig 166; 314pp; English.  
XX  
XX The invention relates to human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the PRO polynucleotides encoding them.  
CC The PRO polypeptides and polynucleotides are useful as pharmaceuticals,  
CC diagnostics, biosensors or bioreactors. They are particularly useful for  
CC detecting tumours (e.g. lung tumour, colon tumour, breast tumour,  
CC prostate tumour, rectal tumour or liver tumour) in a mammal, for  
CC stimulating the release of tumour necrosis factor (TNF)-alpha from human  
CC blood, for stimulating the proliferation or differentiation of  
CC chondrocyte cells, for stimulating the proliferation of or gene  
CC expression in pericyte cells or for stimulating the proliferation of  
CC normal human dermal fibroblasts. The PRO nucleic acids are useful as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA, in preparing PRO polypeptides by recombinant  
CC technology, in generating transgenic animals or knock-out animals which  
CC may be used in the development and screening of therapeutically useful  
CC reagents, in gene therapy, in chromosome identification, as chromosome  
CC markers and in generating probes. The PRO polypeptides, or anti-PRO  
CC antibodies, are useful for preparing a medicament for treating a  
CC condition which is responsive to the PRO polypeptides or anti-PRO  
CC antibodies, such as pericyte-associated tumours and bone and/or cartilage  
CC disorders (e.g. arthritis, sports injuries), involving inducing the re-  
CC differentiation of chondrocytes. The PRO polypeptides are useful as  
CC molecular markers for protein electrophoresis and in tissue typing. This  
CC sequence represents a human PRO polypeptide of the invention.  
XX  
SQ Sequence 105 AA;  
  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGE 60  
Db 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGE 60  
  
QY 61 HPGSHKVPFFRRKHHTCPCLPNLLCSRFPPGGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRRKHHTCPCLPNLLCSRFPPGGRVRCSDMLKNINF 105  
  
RESULT 136  
ADB84787  
ID ADB84787 standard; protein; 105 AA.  
XX  
XX ADB84787;  
XX  
DT 04-DEC-2003 (first entry)  
XX  
DE Human PRO polypeptide #83.  
XX  
XX Human; PRO; secreted polypeptide; transmembrane polypeptide; tumour;  
KW cancer; lung; colon; breast; prostate; rectum; liver;  
KW tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell;  
KW pericyte cell; dermal fibroblast; bone disorder; cartilage disorder;  
KW arthritis; sports injury; cytostatic; antiarthritic.  
XX  
OS Homo sapiens.  
XX  
XX US2003092890-A1.  
PN  
XX  
XX 15-MAY-2003.

XX 14-AUG-2002; 2002US-00219536.  
XX  
XX 28-JUL-1999; 99US-0146222P.  
XX 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 01-JUN-2000; 2001WO-US017800.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-APR-2002; 2002US-00119480.  
XX  
XX (GETH ) GENENTECH INC.  
XX  
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
XX WPI; 2003-777259/73.  
DR N-PSDB; ADB84785.  
XX  
XX New isolated PRO polypeptides, useful for tissue typing, gene therapy, as  
PT molecular weight markers in protein electrophoresis, and for treating  
PT arthritis and tumours.  
XX  
XX Claim 11; Fig 166; 308pp; English.  
XX  
XX The invention relates to human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the PRO polynucleotides encoding them.  
CC The PRO polypeptides and polynucleotides are useful as pharmaceuticals,  
CC diagnostics, biosensors or bioreactors. They are particularly useful for  
CC detecting tumours (e.g. lung tumour, colon tumour, breast tumour,  
CC prostate tumour, rectal tumour or liver tumour) in a mammal, for  
CC stimulating the release of tumour necrosis factor (TNF)-alpha from human  
CC blood, for stimulating the proliferation or differentiation of  
CC chondrocyte cells, for stimulating the proliferation of or gene  
CC expression in pericyte cells or for stimulating the proliferation of  
CC normal human dermal fibroblasts. The PRO nucleic acids are useful as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA, in preparing PRO polypeptides by recombinant  
CC technology, in generating transgenic animals or knock-out animals which  
CC may be used in the development and screening of therapeutically useful  
CC reagents, in gene therapy, in chromosome identification, as chromosome  
CC markers and in generating probes. The PRO polypeptides, or anti-PRO  
CC antibodies, are useful for preparing a medicament for treating a  
CC condition which is responsive to the PRO polypeptides or anti-PRO  
CC antibodies, such as pericyte-associated tumours and bone and/or cartilage  
CC disorders (e.g. arthritis, sports injuries), involving inducing the re-  
CC differentiation of chondrocytes. The PRO polypeptides are useful as  
CC molecular markers for protein electrophoresis, and in tissue typing. This  
CC sequence represents a human PRO polypeptide of the invention.  
XX  
SQ Sequence 105 AA;  
  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGE 60  
Db 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGE 60  
  
QY 61 HPGSHKVPFFRRKHHTCPCLPNLLCSRFPPGGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRRKHHTCPCLPNLLCSRFPPGGRVRCSDMLKNINF 105  
  
RESULT 137  
ADB47218  
ID ADB47218 standard; protein; 105 AA.  
XX  
XX ADB47218;  
XX  
XX 04-DEC-2003 (first entry)  
DT  
XX  
XX Novel human secreted and transmembrane protein PRO1186.

XX	Human; secreted and transmembrane protein; PRO;	
KW	Tumour necrosis factor alpha release; TNF-alpha release;	
KW	glucose uptake modulator; FFA uptake modulator;	
KW	cell proliferation stimulator; cell differentiation stimulator;	
KW	cell differentiation inhibitor; cytokine release stimulator; tumour;	
KW	lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;	
KW	cervical tumour; liver tumour; chromosome mapping; gene mapping;	
KW	gene therapy; chromosome identification; chromosome marker.	
XX	Homo sapiens.	
XX	US2003062687-A1.	
PN	01-MAY-2003.	
PD	19-APR-2002; 2002US-00125930.	
PF	05-JUN-2000; 2000US-0209832P.	
XX	01-DEC-2000; 2000WO-US032678.	
PR	19-DEC-2001; 2001US-00028072.	
XX	(GETH ) GENENTECH INC.	
FA	Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;	
XX	Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;	
PI	Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;	
PI	WPI; 2003-786904/74.	
XX	N-PSDB; ADB47217.	
DR	New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO114 or	
PT	PRO4978, useful in molecular biology, chromosome and gene mapping, in	
PT	generating antisense RNA and DNA, and in gene therapy.	
XX	Claim 12; Fig 470; 627pp; English.	
PS	The invention describes 305 nucleic acids encoding PRO (secreted and	
CC	transmembrane) polypeptides (I). (I) is useful for stimulating the	
CC	release of TNF-alpha from human blood, for modulating the uptake of	
CC	glucose or FFA by skeletal muscle cells or adipocyte cells, for	
CC	stimulating the proliferation or differentiation of chondrocyte cells,	
CC	for stimulating the proliferation of or gene expression in pericyte	
CC	cells, for stimulating the release of proteoglycans from cartilage, for	
CC	stimulating the proliferation of inner ear utricular supporting cells,	
CC	for stimulating the proliferation of T-lymphocyte cells, for stimulating	
CC	the release of a cytokine from PBM cells, for inhibiting the binding of	
CC	A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte	
CC	cells, for stimulating proliferation of endothelial cells, for detecting	
CC	the presence of tumour in a mammary. The tumour is lung, colon, breast,	
CC	prostate, rectal, cervical or liver tumour. The oligonucleotide probes	
CC	are useful for isolating genomic and cDNA nucleotide sequences or	
CC	antisense probes. (I) is also useful as therapeutic agent. PRO is useful	
CC	in assays to identify other proteins or molecules involved in binding	
CC	interaction. A polynucleotide (II) encoding (I) is useful in chromosome	
CC	and gene mapping, in generation of antisense RNA and DNA, in the	
CC	preparation of PRO polypeptide, for generating transgenic animals or	
CC	knockout animals which in turn are useful in the development and	
CC	screening of therapeutically useful reagents, in gene therapy, for	
CC	chromosome identification, as chromosome marker, and for generating	
CC	probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.	
CC	detecting its expression in specific cells, tissues or serum, and for	
CC	affinity purification of PRO from recombinant cell culture or natural	
CC	sources. (I) and (II) are useful for tissue typing. This is the amino	
CC	acid sequence of a novel human secreted and transmembrane PRO	
CC	polypeptide.	
XX	Sequence 105 AA:	
SQ	Query Match 100.0%; Score 589; DB 7; Length 105;	
	Best Local Similarity 100.0%; Pred. No. 2,5e-54;	
	Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	

QY	1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLMRLGRMCTPLRGEGEC 60	
Db	1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLMRLGRMCTPLRGEGEC 60	
QY	61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105	
Db	61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105	
XX	RESULT 138	
ID	ADB83902 standard; protein; 105 AA.	
XX	AC ADB83902;	
XX	DT 04-DEC-2003 (first entry)	
XX	DE Novel human secreted and transmembrane protein PRO1186.	
XX	human; secreted and transmembrane protein; PRO; cytostatic; vulnery;	
KW	antiarthritic; pericyte cell proliferation;	
KW	pericyte cell differentiation; chondrocyte cell proliferation;	
KW	chondrocyte cell differentiation; tumour necrosis factor alpha release;	
KW	(TNF)-alpha release; dermal fibroblast cell proliferation;	
KW	dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;	
KW	colon tumour; breast tumour; prostate tumour; rectal tumour;	
KW	liver tumour; tissue typing; chromosome mapping; gene mapping;	
KW	gene therapy.	
XX	Homo sapiens.	
OS	US2003069397-A1.	
XX	10-APR-2003.	
XX	09-AUG-2002; 2002US-00216159.	
XX	25-JUL-2000; 2000US-0220607P.	
PR	01-JUN-2001; 2001WO-US017800.	
PR	29-JUN-2001; 2001WO-US021086.	
PR	09-APR-2002; 2002US-00119480.	
XX	(GETH ) GENENTECH INC..	
PA	Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;	
XX	Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;	
PI	WPI; 2003-657584/62.	
PI	N-PSDB; ADB83901.	
DR	New isolated polypeptides designated PRO polypeptides including	
XX	polypeptides useful for stimulating the proliferation or differentiation	
XX	of specific cell types, and for diagnosing cancer.	
PS	Claim 11; Fig 166; 314pp; English.	
XX	The invention describes an isolated PRO (secreted and transmembrane)	
CC	polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are	
CC	useful for stimulating the proliferation of or gene expression in	
CC	pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful	
CC	for stimulating the proliferation or differentiation of chondrocyte	
CC	cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide	
CC	are useful for stimulating the release of tumour necrosis factor (TNF)-	
CC	alpha from human blood. PRO982, PRO357, PRO1306, PRO1419, PRO214,	
CC	PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,	
CC	PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,	
CC	PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1274, PRO1412,	
CC	PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1340, PRO1338,	
CC	PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1567,	
CC	PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,	
CC	PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for	
CC	stimulating the proliferation of normal human dermal fibroblasts cells.	
CC	PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,	

CC PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for  
CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
CC polypeptides such as PRO6004, PRO4981, PRO5778, PRO4332, etc.,  
CC are useful for detecting the presence of tumour in a mammal which  
CC involves comparing the level of expression of the above PRO polypeptides  
CC in a test sample of cells taken from the mammal, and a control sample of  
CC normal cells of the same cell type, where a higher level of expression of  
CC the PRO polypeptides in the test sample as compared to the control sample  
CC is indicative of the presence of tumour in the mammal. The tumour is lung  
CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
CC liver tumour. (I) is useful as molecular weight markers, for tissue  
CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is  
CC useful for chromosome and gene mapping or gene therapy. (II) is useful  
CC for generating transgenic animals or knock-out animals which are useful  
CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
CC sport injuries). This is the amino acid sequence of a human secreted and  
CC transmembrane PRO polypeptide.

XX Sequence 105 AA;

SQ Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCPTPLGREGGEC 60  
DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCPTPLGREGGEC 60  
QY 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 139

ADBE6825  
ID ADB86825 standard; protein; 105 AA.

XX AC ADB86825;

XX DT 04-DEC-2003 (first entry)

XX DE Human PRO polypeptide #235.

XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
KW liver; microvascular endothelial cell; glucose; PFA;  
KW skeletal muscle cell; adipocyte cell; pericyte cell;  
KW inner ear utricular supporting cell; T-lymphocyte cell;  
KW endothelial cell tube formation; bone disorder; cartilage disorder;  
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
KW immune system cell infiltration.

XX OS Homo sapiens.

XX PN US2003082697-A1.

XX XX 01-MAY-2003.

XX PF 22-APR-2002; 2002US-00127849.

XX PR 20-OCT-1998; 98US-0104987P.

XX PR 01-SEP-1999; 99WO-US020111.

XX PR 18-OCT-1999; 99US-00403297.

XX PR 18-FEB-2000; 2000WO-US004342.

XX PR 01-DEC-2000; 2000WO-US032578.

XX PR 19-DEC-2001; 2001US-00028072.

XX PA (GETH ) GENENTECH INC.

XX PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;

PI

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX

XX WPI; 2003-743895/70.

XX DR N-PSDB; ADB86824.

XX DR

XX New secreted and transmembrane PRO polypeptides, useful in the diagnosis

XX and treatment of cancer.

XX

XX Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung, the  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are  
XX useful in the development and screening of therapeutically useful  
XX reagents. The PRO polypeptides or antibodies are used in preparing a  
XX medicament for treating a condition responsive to the polypeptides or  
XX antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX of human microvascular endothelial cells, for modulating the uptake of  
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for  
XX stimulating differentiation of adipocyte cells, for stimulating  
XX proliferation of or gene expression in pericyte cells, for stimulating  
XX the proliferation of inner ear utricular supporting cells or T-lymphocyte  
XX cells, for inducing endothelial cell tube formation and for treating  
XX various bone and/or cartilage disorders such as sports injuries and  
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans  
XX from cartilage are useful for treating sports-related joint problems.  
XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
XX polypeptides are also useful for treating various mammalian haemoglobin-  
XX associated disorders such as various thalassaemias and conditions which  
XX may benefit from enhanced local immune system cell infiltration. This  
XX sequence represents a human PRO polypeptide of the invention. Note: The  
XX sequence data for this patent is also available in electronic format from  
XX USPTO at seqdata.uspto.gov/sequence.html.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCPTPLGREGGEC 60

DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCPTPLGREGGEC 60

QY 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPPDGRYRCSDMLKNINF 105

DB 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 140

ADBE73057

ID ADB73057 standard; protein; 105 AA.

XX AC ADB73057;

XX DT 04-DEC-2003 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1186.

XX KW human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;

XX KW antiarthritic; pericyte cell proliferation;  
KW pericyte cell differentiation; chondrocyte cell proliferation;



chondrocyte cell differentiation; tumour necrosis factor alpha release; (TNF)-alpha release; dermal fibroblast cell proliferation; dermal fibroblast cell differentiation inhibitor; tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; tissue typing; chromosome mapping; gene mapping; gene therapy.

Human sapiens.

US2003092887-A1.

15-MAY-2003.

12-AUG-2002; 2002US-00218956.

29-JUN-2001; 2001WO-US021066.

09-APR-2002; 2002US-00119480.

(GETH ) GENENTECH INC.

Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI; WPI; 2003-777258/73.

N-PSDB; ADB73056.

Novel isolated PRO polypeptide useful for tissue typing, gene therapy, as molecular weight markers, for treating arthritis, tumor.

Claim 11; Fig 166; 308pp; English.

The invention describes an isolated PRO (secreted and transmembrane) polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are useful for stimulating the proliferation of or gene expression in parietal cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful for stimulating the proliferation or differentiation of chondrocyte cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide are useful for stimulating the release of tumour necrosis factor (TNF)-alpha from human blood. PRO382, PRO357, PRO725, PRO1306, PRO1419, PRO1274, PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080, PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309, PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1412, PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1338, PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567, PRO1867, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322, PRO940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for stimulating the proliferation of normal human dermal fibroblasts cells.

PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408, PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for inhibiting the proliferation of normal human dermal fibroblast cells. PRO polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc., are useful for detecting the presence of tumour in a mammal which involves comparing the level of expression of the above PRO polypeptides in a test sample of cells taken from the mammal, and a control sample of normal cells of the same cell type, where a higher level of expression of the PRO polypeptides in the test sample as compared to the control sample is indicative of the presence of tumour in the mammal. The tumour is lung tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or liver tumour. (I) is useful as molecular weight markers, for tissue typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is useful for chromosome and gene mapping or gene therapy. (II) is useful for generating transgenic animals or knock-out animals which are useful screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide is useful for treating bone and/or cartilage disorders (e.g., arthritis, sports injuries). This is the amino acid sequence of a human secreted and transmembrane PRO polypeptide.

Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MRGATRVSMILLVTVSDCAVITGACERDVOCAGTCAISLWLRGURMCTPLGREGEC 60  
1 MRGATRVSMILLVTVSDCAVITGACERDVOCAGTCAISLWLRGURMCTPLGREGEC 60

61 HPGSHKVPFFRKXKHTCPCLNLLCSRFPPDGRYRCSMDLKNINF 105  
61 HPGSHKVPFFRKXKHTCPCLNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 141  
ADB77430  
ID ADB77430 standard; protein; 105 AA.  
XX AC ADB77430;  
XX DT 04-DEC-2003 (first entry)  
XX DE Novel human secreted and transmembrane protein PRO1186.  
XX KW Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW glucose uptake modulator; FFA uptake modulator;  
KW cell proliferation stimulator; cell differentiation stimulator;  
KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
KW gene therapy; chromosome identification; chromosome marker.  
XX OS Homo sapiens.  
XX US2003082696-A1.  
XX PD 01-MAY-2003.  
XX PF 22-APR-2002; 2002US-00127848.  
XX PR 03-NOV-1998; 98US-0106934P.  
PR 26-JUL-1993; 98US-0145698P.  
PR 01-SEP-1999; 99WO-US020111.  
PR 18-OCT-1999; 99US-00403297.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-755109/71.  
DR N-PSDB; ADB77429.  
XX PRO nucleic acid, useful for preparing a composition for treating e.g., tumor or for tissue typing.  
XX Claim 12; Fig 470; 637pp; English.  
XX The invention describes 305 nucleic acids encoding PRO (secreted and transmembrane) polypeptides (I). (I) is useful for stimulating the release of TNF-alpha from human blood, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the proliferation of T-lymphocyte cells, for stimulating the release of a cytokine from BMC cells, for inhibiting the binding of A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte cells, for stimulating proliferation of endothelial cells, for detecting the presence of tumour in a mammal. The tumour is lung, colon, breast, prostate, rectal, cervical or liver tumour. The oligonucleotide probes



are useful for isolating genomic and cDNA nucleotide sequences or antisense probes. (I) is also useful as therapeutic agent. PRO is useful in assays to identify other proteins or molecules involved in binding interaction. A polynucleotide (II) encoding (I) is useful in chromosome and gene mapping, in generation of antisense RNA and DNA, in the preparation of PRO polypeptide, for generating transgenic animals or knockout animals which in turn are useful in the development and screening of therapeutically useful reagents, in gene therapy, for chromosome identification, as chromosome marker, and for generating probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g. detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. (I) and (II) are useful for tissue typing. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEC 60  
DB 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRVRCMDLNKINF 105

DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRVRCMDLNKINF 105

RESULT 142

ADB34587

ID ADB34587 standard; protein; 105 AA.

XX AC ADB34587;

DT 04-DEC-2003 (first entry)

DE Human PRO polypeptide SEQ ID NO 470.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;

KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

KW liver; microvascular endothelial cell; glucose; FFA;

KW skeletal muscle cell; adipocyte cell; pericyte cell;

KW inner ear utricular supporting cell; T-lymphocyte cell;

KW endothelial cell tube formation; bone disorder; cartilage disorder;

KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;

KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;

KW immune system cell infiltration.

XX Homo sapiens.

XX US2003077717-A1.

XX 24-APR-2003.

XX 24-APR-2002; 2002US-00131818.

XX 07-OCT-1998; 98US-0103328P.

XX 01-SEP-1999; 99WO-US020111.

XX 18-OCT-1999; 99US-00403297.

XX 30-NOV-1999; 99WO-US028313.

XX 18-FEB-2000; 2000WO-US004342.

XX 01-DEC-2000; 2000WO-US032678.

XX 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;

PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tamas D, Watanabe CK, Wood WI, Zhang Z;

XX

DR WPI; 2003-755072/71.

XX N-PSDB; ADB34586.

PT New isolated, secreted and transmembrane PRO polypeptides and nucleic acids, useful for the diagnosis, prevention and/or treatment of tumors, such as lung, colon, breast, prostate, rectal, cervical and/or liver tumors.

XX Claim 12; Fig 470; 637pp; English.

PS The invention relates to isolated human PRO polypeptides (secreted and transmembrane polypeptides) and the polynucleotides encoding them. The invention also relates to an antibody which specifically binds to a PRO polypeptide, a method for stimulating the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence data for this patent is also available in electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.5e-54;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEC 60

DB 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRVRCMDLNKINF 105

DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRVRCMDLNKINF 105

RESULT 143

ADB35691

ID ADB35691 standard; protein; 105 AA.

XX AC ADB35691;

XX 04-DEC-2003 (first entry)

XX Human PRO polypeptide SEQ ID NO 470.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;

KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX  
 OS Homo sapiens.  
 FN US2003077719-A1.  
 PN  
 PD 24-APR-2003.  
 XX  
 PF 24-APR-2002; 2002US-00131824.  
 XX  
 PR 09-FEB-1999; 99US-0119341P.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 XX (GETH ) GENENTECH INC.  
 PA  
 XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX  
 DR WPI; 2003-755074/71.  
 DR N-PSDB; ADB35690.  
 XX  
 XX New isolated, secreted and transmembrane PRO polypeptides and nucleic  
 PT acids, useful for the diagnosis, prevention and/or treatment of tumors,  
 PT such as lung, colon, breast, prostate, rectal, cervical and/or liver  
 PT tumors.  
 PT  
 XX  
 PS Claim 12; Fig 470; 637pp; English.  
 XX  
 CC The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC proliferation of or gene expression in pericyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems,  
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
 CC polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassaemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC sequence data for this patent is also available in electronic format from  
 CC USPTO at seqdata.uspto.gov/sequence.html.  
 XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVOCGAGTCCALSLWLRGMCTPLGREGECC 60  
 DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVOCGAGTCCALSLWLRGMCTPLGREGECC 60  
 QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
 RESULT 144  
 ADB34035  
 ID ADB34035 standard; protein; 105 AA.  
 XX  
 AC ADB34035;  
 XX  
 DT 04-DEC-2003 (first entry)  
 XX  
 DE Human PRO polypeptide SEQ ID NO 470.  
 XX  
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
 KW immune system cell infiltration.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003077716-A1.  
 XX  
 PD 24-APR-2003.  
 XX  
 PF 24-APR-2002; 2002US-00131813.  
 XX  
 PR 07-OCT-1998; 98US-0103315P.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 18-OCT-1999; 99US-0403297.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 XX (GETH ) GENENTECH INC.  
 PA  
 XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX  
 DR WPI; 2003-755071/71.  
 DR N-PSDB; ADB34034.  
 XX  
 XX New secreted and transmembrane PRO polypeptides and nucleic acids, useful  
 PT in gene therapy, in chromosome and gene mapping, as chromosome markers,  
 PT in tissue typing, and in identifying chromosomes.  
 XX  
 PS Claim 12; Fig 470; 637pp; English.  
 XX  
 CC The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The

CC polynucleotides are useful in molecular biology, including uses as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
CC be used in preparing PRO polypeptides by recombinant techniques and in  
CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating differentiation of adipocyte cells, for stimulating  
CC the proliferation of or gene expression in pericyte cells, for stimulating  
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
CC cells, for inducing endothelial cell tube formation and for treating  
CC various bone and/or cartilage disorders such as sports injuries and  
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
CC from cartilage are useful for treating sports-related joint problems,  
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
CC polypeptides are also useful for treating various mammalian haemoglobin-  
CC associated disorders such as various thalasaemias and conditions which  
CC may benefit from enhanced local immune system cell infiltration. This  
CC sequence represents a human PRO polypeptide of the invention. Note: The  
CC sequence data for this patent is also available in electronic format from  
CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-34;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCTCAISLWLRGLRMTPLRGEEEC 60

Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCTCAISLWLRGLRMTPLRGEEEC 60

QY 61 HPGSHKVPFFRRKHHTCPCLPNLLCSRPDPGRVRCSDMLKNINF 105

Db 61 HPGSHKVPFFRRKHHTCPCLPNLLCSRPDPGRVRCSDMLKNINF 105

RESULT 145

ADB35139

ID ADB35139 standard; protein; 105 AA.

XX AC ADB35139;

XX DT 04-DEC-2003 (first entry)

XX DE Human PRO polypeptide SEQ ID NO 470.

XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;

KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
KW liver; microvascular endothelial cell; glucose; FFA;  
KW skeletal muscle cell; adipocyte cell; pericyte cell;  
KW inner ear utricular supporting cell; T-lymphocyte cell;  
KW endothelial cell tube formation; bone disorder; cartilage disorder;  
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
KW immune system cell infiltration.

XX OS Homo sapiens.

XX PN US2003077718-A1.

XX PD 24-APR-2003.

XX PF 24-APR-2002; 2002US-00131823.

XX PR 31-MAR-1997; 97WO-US005230.

XX PR 12-JUN-1998; 98WO-US012456.

XX PR 14-JUL-1998; 98WO-US014552.

PR 28-AUG-1998; 98WO-US017888.  
PR 10-SEP-1998; 98WO-US018824.  
PR 14-SEP-1998; 98WO-US019093.  
PR 14-SEP-1998; 98WO-US019094.  
PR 14-SEP-1998; 98WO-US019177.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 29-OCT-1998; 98WO-US022991.  
PR 29-OCT-1998; 98WO-US022992.  
PR 20-NOV-1998; 98WO-US024855.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 98WO-US000106.  
PR 08-MAR-1999; 98WO-US005028.  
PR 10-MAR-1999; 98WO-US005190.  
PR 14-MAY-1999; 98WO-US008615.  
PR 02-JUN-1999; 98WO-US010733.  
PR 01-SEP-1999; 98WO-US012252.  
PR 08-SEP-1999; 98WO-US020111.  
PR 13-SEP-1999; 98WO-US020944.  
PR 15-SEP-1999; 98WO-US021090.  
PR 15-SEP-1999; 98WO-US021547.  
PR 05-OCT-1999; 98WO-US023089.  
PR 29-NOV-1999; 98WO-US028214.  
PR 30-NOV-1999; 98WO-US028313.  
PR 30-NOV-1999; 98WO-US028409.  
PR 01-DEC-1999; 98WO-US028301.  
PR 01-DEC-1999; 98WO-US028634.  
PR 02-DEC-1999; 98WO-US028551.  
PR 02-DEC-1999; 98WO-US028564.  
PR 02-DEC-1999; 98WO-US028565.  
PR 16-DEC-1999; 98WO-US030095.  
PR 20-DEC-1999; 98WO-US030911.  
PR 22-DEC-1999; 98WO-US030999.  
PR 22-DEC-1999; 98WO-US030720.  
PR 30-DEC-1999; 98WO-US031243.  
PR 30-DEC-1999; 98WO-US031274.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000277.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005084.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 02-MAR-2000; 2000WO-US005746.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 21-MAR-2000; 2000WO-US007377.  
PR 21-MAR-2000; 2000WO-US007532.  
PR 10-MAR-2000; 2000WO-US008439.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US020311.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001US-00796498.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006656.  
PR 09-MAR-2001; 2001US-00802706.  
PR 14-MAR-2001; 2001US-00808689.



polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.html.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLMLRGLRMCTPLGREGSEC 60  
DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLMLRGLRMCTPLGREGSEC 60  
QY 61 HPGSHKVPFFPKRKHTHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFPKRKHTHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 147  
ADB46638

ID ADB46638 standard; protein; 105 AA.

XX AC ADB46638;

XX DT 04-DEC-2003 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1186.

XX KW Human; secreted and transmembrane protein; PRO;  
KW Tumour necrosis factor alpha release; TNF-alpha release;  
KW glucose uptake modulator; FFA uptake modulator;  
KW cell proliferation stimulator; cell differentiation stimulator;  
KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;  
KW gene therapy; chromosome identification; chromosome marker.

XX OS Homo sapiens.

XX XX US2003082692-A1.

XX PD 01-MAY-2003.

XX PF 22-APR-2002; 2002US-00127842.

XX PR 03-MAR-2000; 2000US-0187202P.

XX PR 01-DEC-2000; 2000WO-US032678.

XX PR 19-DEC-2001; 2001US-00028072.

XX PA (GETH ) GENENTECH INC.

XX PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski P, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX DR WFI; 2003-786906/74.  
DR N-PSDB; ADB46637.

XX PT New PRO nucleic acid, useful for preparing a composition for treating e.g., tumor or for tissue typing.

XX PS Claim 12; Fig 470; 637pp; English.

XX CC The invention describes 305 nucleic acids encoding PRO (secreted and transmembrane) polypeptides (I). (I) is useful for stimulating the release of TNF-alpha from human blood for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the proliferation of T-lymphocyte cells, for stimulating the release of a cytokine from BMC cells, for inhibiting the binding of A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte cells, for stimulating proliferation of endothelial cells, for detecting the presence of tumour in a mammal. The tumour is lung, colon, breast, prostate, rectal, cervical or liver tumour. The oligonucleotide probes are useful for isolating genomic and cDNA nucleotide sequences or antisense probes. (I) is also useful as therapeutic agent. PRO is useful in assays to identify other proteins or molecules involved in binding interaction. A polynucleotide (II) encoding (I) is useful in chromosome and gene mapping, in generation of antisense RNA and DNA, in the preparation of PRO polypeptide, for generating transgenic animals or knock out animals which in turn are useful in the development and screening of therapeutically useful reagents, in gene therapy, for chromosome identification, as chromosome marker, and for generating probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g. detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. (I) and (II) are useful for tissue typing. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLMLRGLRMCTPLGREGSEC 60  
DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVCGAGTCCCAISLMLRGLRMCTPLGREGSEC 60  
QY 61 HPGSHKVPFFPKRKHTHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFPKRKHTHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 148  
ADC57851

ID ADC57851 standard; protein; 105 AA.

XX AC ADC57851;

XX DT 18-DEC-2003 (first entry)

XX DE Human PRO polypeptide #115.

XX KW Human; PRO; pancreatic beta-cell precursor cell; pancreatic beta-cell;  
KW insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;  
KW thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;  
KW polycystic kidney disease; renal tumour; antidiabetic; antianemic;  
KW cystostatic; cardiac; vulnary; antiinflammatory; anorectic.

[illegible]

PR	01-DEC-1998;	98WO-US025108.	
PR	22-DEC-1998;	98US-0113296P.	
PR	05-JAN-1999;	99WO-US000106.	
PR	08-MAR-1999;	99WO-US005028.	
PR	12-MAR-1999;	99US-0123957P.	
PR	02-JUN-1999;	99WO-US012252.	
PR	23-JUN-1999;	99US-0141037P.	
PR	07-JUL-1999;	99US-0143048P.	
PR	20-JUL-1999;	99US-0144758P.	
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PR	17-AUG-1999;	99US-0149396P.	
PR	15-SEP-1999;	99WO-US021090.	
PR	15-SEP-1999;	99WO-US021547.	
PR	08-OCT-1999;	99US-0158663P.	
PR	30-NOV-1999;	99WO-US028313.	
PR	01-DEC-1999;	99WO-US028301.	
PR	01-DEC-1999;	99WO-US028634.	
PR	16-DEC-1999;	99WO-US030095.	
PR	20-DEC-1999;	99WO-US030911.	
PR	05-JAN-2000;	2000WO-US000219.	
PR	06-JAN-2000;	2000WO-US000376.	
PR	11-FEB-2000;	2000WO-US003565.	
PR	18-FEB-2000;	2000WO-US004341.	
PR	22-FEB-2000;	2000WO-US004414.	
PR	24-FEB-2000;	2000WO-US004914.	
PR	24-FEB-2000;	2000WO-US005004.	
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PR	30-MAR-2000;	2000WO-US008439.	
PR	15-MAY-2000;	2000WO-US013358.	
PR	17-MAY-2000;	2000WO-US013705.	
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PR	23-AUG-2000;	2000WO-US023522.	

Query Match 100.0%; Score 589; DB 7; Length 105;  
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Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 149  
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ID ADC55215 standard; protein; 105 AA.  
XX  
AC ADC55215;  
XX  
XX  
DT 18-DEC-2003 (first entry)  
XX  
DE Human PRO polypeptide #115.  
XX  
KW Human; PRO; pancreatic beta-cell precursor cell; pancreatic beta-cell;  
KW insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;  
KW thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;  
KW polycystic kidney disease; renal tumour; antidiabetic; antianaeamic;  
KW cytotstatic; cardiac; vulnery; antiinflammatory; anorectic.  
XX  
OS Homo sapiens.  
XX

PN	US2003045463-A1.	
XX	06-MAR-2003.	
PF	16-NOV-2001;	2001US-00990437.
XX	16-JUN-1997;	97US-0049787P.
PR	17-OCT-1997;	97US-0062250P.
PR	05-NOV-1997;	97WO-US020069.
PR	12-NOV-1997;	97US-0065186P.
PR	13-NOV-1997;	97US-0065311P.
PR	25-FEB-1998;	97US-0066770P.
PR	25-FEB-1998;	98US-0075945P.
PR	20-MAR-1998;	98US-0078910P.
PR	28-APR-1998;	98US-0083322P.
PR	07-MAY-1998;	98US-0084600P.
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PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
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PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 01-DEC-1998; 98WO-US021141.
PR 22-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.

PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
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PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
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PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030035.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 16-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.

Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACEDVOGAGTCCCAISLWLRGLRMCTPLGREGEC 60
DB 1 MRGATRVSIMLLVTVSDCAVITGACEDVOGAGTCCCAISLWLRGLRMCTPLGREGEC 60
QY 61 HPGSHKVPFFRRKHHTCTCLPNNLLCSRFPPDGRYCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKHHTCTCLPNNLLCSRFPPDGRYCSMDLKNINF 105

RESULT 150
ADCL2082
ID ADC12082 standard; protein; 105 AA.
XX
AC ADC12082;
XX
DT 18-DEC-2003 (first entry)
XX
DE Human secreted/transmembrane protein PRO1186.
XX
KW PRO; secreted protein; transmembrane protein;
XX hypertrophy of neonatal heart; angiogenesis;
XX vascular endothelial growth factor; VEGF-stimulated proliferation;
XX endothelial cell; T-lymphocyte proliferation; retinal neuron;
XX c-fos induction; adipocyte cell; chondrocyte differentiation;
XX pancreatic beta-cell precursor differentiation; gene therapy; tumour;
XX cancer; human; colon cancer; lung cancer; breast cancer;
XX rod photoreceptor cell.
XX Homo sapiens.
XX

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PN US2003049681-A1.  
XX 13-MAR-2003.  
XX 15-NOV-2001; 2001US-00397514.  
XX 16-JUN-1997; 97US-0049787P.  
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PR 17-AUG-1998; 98US-0096773P.  
PR 17-AUG-1998; 98US-0096791P.  
PR 17-AUG-1998; 98US-0096867P.  
PR 17-AUG-1998; 98US-0096891P.  
PR 17-AUG-1998; 98US-0096894P.  
PR 17-AUG-1998; 98US-0096895P.  
PR 17-AUG-1998; 98US-0096897P.  
PR 18-AUG-1998; 98US-0096949P.  
PR 18-AUG-1998; 98US-0096950P.  
PR 18-AUG-1998; 98US-0096959P.  
PR 18-AUG-1998; 98US-0096959P.  
PR 18-AUG-1998; 98US-0096960P.  
PR 18-AUG-1998; 98US-0097022P.  
PR 19-AUG-1998; 98US-0097141P.  
PR 20-AUG-1998; 98US-0097218P.  
PR 24-AUG-1998; 98US-0097661P.  
PR 26-AUG-1998; 98US-0097952P.  
PR 26-AUG-1998; 98US-0097954P.  
PR 26-AUG-1998; 98US-0097955P.  
PR 26-AUG-1998; 98US-0097971P.  
PR 26-AUG-1998; 98US-0097974P.  
PR 26-AUG-1998; 98US-0097978P.  
PR 26-AUG-1998; 98US-0097979P.  
PR 26-AUG-1998; 98US-0097986P.  
PR 26-AUG-1998; 98US-0098014P.  
PR 31-AUG-1998; 98US-0098525P.  
PR 16-SEP-1998; 98US-0100634P.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98US-0100858P.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 01-DEC-1998; 98WO-US025108.  
PR 22-DEC-1998; 98US-0113296P.  
PR 05-JAN-1999; 98WO-US000106.

PR	08-MAR-1999;	99WO-US005028.	PR	16-JUN-1997;	97US-0049787P.
PR	12-MAR-1999;	99US-0123957P.	PR	17-OCT-1997;	97US-0062250P.
PR	02-JUN-1999;	99WO-US012252.	PR	05-NOV-1997;	97WO-US020089.
PR	23-JUN-1999;	99US-0141037P.	PR	12-NOV-1997;	97US-0065186P.
PR	07-JUL-1999;	99US-0143048P.	PR	13-NOV-1997;	97US-0065311P.
PR	20-JUL-1999;	99US-0144758P.	PR	24-NOV-1997;	97US-0066770P.
PR	26-JUL-1999;	99US-0145698P.	PR	25-FEB-1998;	98US-0075945P.
PR	28-JUL-1999;	99US-0146222P.	PR	20-MAR-1998;	98US-0078910P.
PR	17-AUG-1999;	99US-0149336P.	PR	28-APR-1998;	98US-0083322P.
PR	15-SEP-1999;	99WO-US021090.	PR	07-MAY-1998;	98US-0084600P.
PR	15-SEP-1999;	99WO-US021547.	PR	28-MAY-1998;	98US-0087106P.
PR	08-OCT-1999;	99US-0158663P.	PR	02-JUN-1998;	98US-0087609P.
PR	30-NOV-1999;	99WO-US028313.	PR	02-JUN-1998;	98US-0087759P.
PR	01-DEC-1999;	99WO-US028301.	PR	02-JUN-1998;	98US-0087827P.
PR	01-DEC-1999;	99WO-US028634.	PR	03-JUN-1998;	98US-0088021P.
PR	16-DEC-1999;	99WO-US030095.	PR	04-JUN-1998;	98US-0088025P.
PR	20-DEC-1999;	99WO-US030911.	PR	04-JUN-1998;	98US-0088026P.
PR	05-JAN-2000;	2000WO-US000219.	PR	04-JUN-1998;	98US-0088028P.
PR	06-JAN-2000;	2000WO-US000376.	PR	04-JUN-1998;	98US-0088029P.
PR	11-FEB-2000;	2000WO-US003565.	PR	04-JUN-1998;	98US-0088030P.
PR	18-FEB-2000;	2000WO-US004341.	PR	04-JUN-1998;	98US-0088033P.
PR	22-FEB-2000;	2000WO-US004414.	PR	04-JUN-1998;	98US-0088326P.
PR	24-FEB-2000;	2000WO-US004914.	PR	05-JUN-1998;	98US-0088167P.
PR	24-FEB-2000;	2000WO-US005004.	PR	05-JUN-1998;	98US-0088202P.
PR	02-MAR-2000;	2000WO-US005841.	PR	05-JUN-1998;	98US-0088212P.
PR	10-MAR-2000;	2000WO-US006319.	PR	05-JUN-1998;	98US-0088217P.
PR	15-MAR-2000;	2000WO-US006884.	PR	09-JUN-1998;	98US-0088655P.
PR	20-MAR-2000;	2000WO-US007377.	PR	10-JUN-1998;	98US-0088734P.
PR	30-MAR-2000;	2000WO-US008439.	PR	10-JUN-1998;	98US-0088738P.
PR	15-MAY-2000;	2000WO-US013358.	PR	10-JUN-1998;	98US-0088742P.
PR	17-MAY-2000;	2000WO-US013705.	PR	10-JUN-1998;	98US-0088810P.
PR	22-MAY-2000;	2000WO-US014042.	PR	10-JUN-1998;	98US-0088824P.
PR	30-MAY-2000;	2000WO-US014941.	PR	10-JUN-1998;	98US-0088826P.
PR	02-JUN-2000;	2000WO-US015264.	PR	11-JUN-1998;	98US-0088859P.
PR	23-JUN-2000;	2000US-0213637P.	PR	11-JUN-1998;	98US-0088861P.
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Best Local Similarity 100.0%; Pred. No. 2.5e-54;					98US-0089105P.
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					98US-0089400P.
					98US-0089512P.
QY	1 MRGATRSIMLLLVTSVDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEC 60				98US-0089514P.
Db	1 MRGATRSIMLLLVTSVDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEC 60				98US-0089532P.
QY	61 HPGSHKVPFFRRKHHTCPCLPNTLCGRFPDGRYRCSMDLKNINF 105				98US-0089598P.
Db	61 HPGSHKVPFFRRKHHTCPCLPNTLCGRFPDGRYRCSMDLKNINF 105				98US-0089598P.
RESULT 151					98US-0089599P.
ADC56504					98US-0089600P.
ID	ADC56504 standard; protein; 105 AA.				98US-0089653P.
XX	AC				98US-0089801P.
XX	ADC56504;				98US-0089907P.
DT	18-DEC-2003 (first entry)				98US-0089908P.
XX	Human PRO polypeptide #115.				98US-0089947P.
XX	Human; PRO; pancreatic beta-cell precursor cell; pancreatic beta-cell;				98US-0089948P.
KW	insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;				98US-0089952P.
KW	thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;				98US-0090246P.
KW	polycystic kidney disease; renal tumour; antidiabetic; antianaemic;				98US-0090252P.
KW	cytostatic; cardiant; vulnary; antinflammatory; anorectic.				98US-0090254P.
OS	Homo sapiens.				98US-0090349P.
XX	XX				98US-0090355P.
PN	US2003064375-A1.				98US-0090429P.
XX	XX				98US-0090435P.
PD	03-APR-2003.				98US-0090435P.
XX	XX				98US-0090444P.
PF	15-NOV-2001; 2001US-00997857.				98US-0090472P.
XX	XX				98US-0090535P.
XX	XX				98US-0090540P.
XX	XX				98US-0090542P.
XX	XX				98US-0090557P.
XX	XX				98US-0090676P.
XX	XX				98US-0090678P.
XX	XX				98US-0090690P.
XX	XX				98US-0090694P.
XX	XX				98US-0090695P.

PR	25-JUN-1998;	98US-0090656P.	PR	26-JUL-1999;	99US-0145698P.
PR	26-JUN-1998;	98US-0090862P.	PR	28-JUL-1999;	99US-0146222P.
PR	26-JUN-1998;	98US-0090863P.	PR	17-AUG-1999;	99US-0149396P.
PR	01-JUL-1998;	98US-0091360P.	PR	15-SEP-1999;	99WO-US021090.
PR	01-JUL-1998;	98US-0091544P.	PR	15-SEP-1999;	99WO-US021547.
PR	02-JUL-1998;	98US-0091478P.	PR	08-OCT-1999;	99US-0158663P.
PR	02-JUL-1998;	98US-0091519P.	PR	30-NOV-1999;	99WO-US028313.
PR	02-JUL-1998;	98US-0091626P.	PR	01-DEC-1999;	99WO-US028301.
PR	02-JUL-1998;	98US-0091628P.	PR	01-DEC-1999;	99WO-US028634.
PR	02-JUL-1998;	98US-0091633P.	PR	16-DEC-1999;	99WO-US030095.
PR	02-JUL-1998;	98US-0091646P.	PR	20-DEC-1999;	99WO-US030911.
PR	02-JUL-1998;	98US-0091673P.	PR	05-JAN-2000;	2000WO-US000219.
PR	07-JUL-1998;	98US-0091978P.	PR	06-JAN-2000;	2000WO-US000376.
PR	07-JUL-1998;	98US-0091982P.	PR	11-FEB-2000;	2000WO-US003565.
PR	09-JUL-1998;	98US-0092182P.	PR	18-FEB-2000;	2000WO-US004341.
PR	10-JUL-1998;	98US-0092472P.	PR	22-FEB-2000;	2000WO-US004414.
PR	20-JUL-1998;	98US-0093339P.	PR	24-FEB-2000;	2000WO-US004914.
PR	30-JUL-1998;	98US-0094651P.	PR	24-FEB-2000;	2000WO-US005004.
PR	04-AUG-1998;	98US-0095282P.	PR	02-MAR-2000;	2000WO-US005841.
PR	04-AUG-1998;	98US-0095285P.	PR	10-MAR-2000;	2000WO-US006319.
PR	04-AUG-1998;	98US-0095301P.	PR	15-MAR-2000;	2000WO-US006884.
PR	04-AUG-1998;	98US-0095302P.	PR	20-MAR-2000;	2000WO-US007377.
PR	04-AUG-1998;	98US-0095318P.	PR	30-MAR-2000;	2000WO-US008439.
PR	04-AUG-1998;	98US-0095321P.	PR	15-MAY-2000;	2000WO-US013358.
PR	04-AUG-1998;	98US-0095325P.	PR	17-MAY-2000;	2000WO-US013705.
PR	10-AUG-1998;	98US-0095916P.	PR	22-MAY-2000;	2000WO-US014042.
PR	10-AUG-1998;	98US-0095929P.	PR	30-MAY-2000;	2000WO-US014941.
PR	10-AUG-1998;	98US-0096012P.	PR	02-JUN-2000;	2000WO-US015264.
PR	11-AUG-1998;	98US-0096143P.	PR	23-JUN-2000;	2000US-0213637P.
PR	11-AUG-1998;	98US-0096146P.	PR	28-JUL-2000;	2000WO-US020710.
PR	12-AUG-1998;	98US-0096329P.	PR	11-AUG-2000;	2000WO-US020231.
PR	17-AUG-1998;	98US-0096757P.	PR	23-AUG-2000;	2000WO-US023522.
PR	17-AUG-1998;	98US-0096766P.			
PR	17-AUG-1998;	98US-0096768P.			
PR	17-AUG-1998;	98US-0096773P.			
PR	17-AUG-1998;	98US-0096791P.			
PR	17-AUG-1998;	98US-0096867P.			
PR	17-AUG-1998;	98US-0096891P.			
PR	17-AUG-1998;	98US-0096894P.			
PR	17-AUG-1998;	98US-0096895P.			
PR	17-AUG-1998;	98US-0096897P.			
PR	18-AUG-1998;	98US-0096949P.			
PR	18-AUG-1998;	98US-0096950P.			
PR	18-AUG-1998;	98US-0096959P.			
PR	18-AUG-1998;	98US-0096960P.			
PR	18-AUG-1998;	98US-0097022P.			
PR	19-AUG-1998;	98US-0097141P.			
PR	20-AUG-1998;	98US-0097218P.			
PR	24-AUG-1998;	98US-0097661P.			
PR	26-AUG-1998;	98US-0097952P.			
PR	26-AUG-1998;	98US-0097954P.			
PR	26-AUG-1998;	98US-0097955P.			
PR	26-AUG-1998;	98US-0097971P.			
PR	26-AUG-1998;	98US-0097974P.			
PR	26-AUG-1998;	98US-0097978P.			
PR	26-AUG-1998;	98US-0097979P.			
PR	26-AUG-1998;	98US-0097986P.			
PR	26-AUG-1998;	98US-0098014P.			
PR	31-AUG-1998;	98US-0098525P.			
PR	16-SEP-1998;	98US-0100634P.			
PR	16-SEP-1998;	98WO-US019330.			
PR	17-SEP-1998;	98US-0100858P.			
PR	17-SEP-1998;	98WO-US019437.			
PR	01-OCT-1998;	99WO-US021141.			
PR	01-DEC-1998;	99WO-US025108.			
PR	22-DEC-1998;	98US-0113296P.			
PR	05-JAN-1999;	99WO-US000106.			
PR	08-MAR-1999;	99WO-US005028.			
PR	12-MAR-1999;	99US-0123957P.			
PR	02-JUN-1999;	99WO-US012452.			
PR	23-JUN-1999;	99US-0141037P.			
PR	07-JUL-1999;	99US-0143048P.			
PR	20-JUL-1999;	99US-0144758P.			
Query Match 100.0%; Score 589; DB 7; Length 105;					
Best Local Similarity 100.0%; Pred. No. 2.5e-54;					
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
QY	1	MEGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGSEC	60		
DB	1	MEGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGSEC	60		
QY	61	HFGSHKVPFFRKRHHTCPLNLLCSRFDPGRYRCSMDLKNINF	105		
DB	61	HFGSHKVPFFRKRHHTCPLNLLCSRFDPGRYRCSMDLKNINF	105		
RESULT 152					
ADC07559					
ID	ADC07559 standard; protein; 105 AA.				
XX	ADC07559;				
AC	ADC07559;				
XX	18-DEC-2003 (first entry)				
DT	Human secreted/transmembrane protein PRO1186.				
XX	PRO; secreted protein; transmembrane protein;				
KW	hypertrophy of neonatal heart; angiogenesis;				
KW	vascular endothelial growth factor; VEGF-stimulated proliferation;				
KW	endothelial cell; T-lymphocyte proliferation; retinal neuron;				
KW	c-fos induction; adipocyte cell; chondrocyte differentiation;				
KW	pancreatic beta-cell precursor differentiation; gene therapy; tumour;				
KW	cancer; human; colon cancer; lung cancer; breast cancer;				
KW	rod photoreceptor cell.				
XX	Homo sapiens.				
OS	US2003068647-A1.				
PN	10-APR-2003.				
XX	15-NOV-2001; 2001US-00997542.				

PR	16-JUN-1997;	97US-0049787P.	PR	25-JUN-1998;	98US-0090696P.
PR	17-OCT-1997;	97US-0062250P.	PR	26-JUN-1998;	98US-0090862P.
PR	05-NOV-1997;	97WO-US020069.	PR	26-JUN-1998;	98US-0090863P.
PR	12-NOV-1997;	97US-0065186P.	PR	01-JUL-1998;	98US-0091360P.
PR	13-NOV-1997;	97US-0065311P.	PR	01-JUL-1998;	98US-0091544P.
PR	24-NOV-1997;	97US-0066770P.	PR	02-JUL-1998;	98US-0091478P.
PR	25-FEB-1998;	98US-0075945P.	PR	02-JUL-1998;	98US-0091519P.
PR	20-MAR-1998;	98US-0078910P.	PR	02-JUL-1998;	98US-0091626P.
PR	28-APR-1998;	98US-0083322P.	PR	02-JUL-1998;	98US-0091628P.
PR	07-MAY-1998;	98US-0084600P.	PR	02-JUL-1998;	98US-0091633P.
PR	28-MAY-1998;	98US-0087106P.	PR	02-JUL-1998;	98US-0091646P.
PR	02-JUN-1998;	98US-0087609P.	PR	02-JUL-1998;	98US-0091673P.
PR	02-JUN-1998;	98US-0087609P.	PR	07-JUL-1998;	98US-0091978P.
PR	03-JUN-1998;	98US-0087759P.	PR	07-JUL-1998;	98US-0091982P.
PR	03-JUN-1998;	98US-0087877P.	PR	09-JUL-1998;	98US-0092182P.
PR	04-JUN-1998;	98US-0088021P.	PR	10-JUL-1998;	98US-0092432P.
PR	04-JUN-1998;	98US-0088025P.	PR	20-JUL-1998;	98US-0093339P.
PR	04-JUN-1998;	98US-0088026P.	PR	30-JUL-1998;	98US-0094651P.
PR	04-JUN-1998;	98US-0088028P.	PR	04-AUG-1998;	98US-0095282P.
PR	04-JUN-1998;	98US-0088029P.	PR	04-AUG-1998;	98US-0095325P.
PR	04-JUN-1998;	98US-0088029P.	PR	04-AUG-1998;	98US-0095285P.
PR	04-JUN-1998;	98US-0088030P.	PR	04-AUG-1998;	98US-0095301P.
PR	04-JUN-1998;	98US-0088033P.	PR	04-AUG-1998;	98US-0095302P.
PR	04-JUN-1998;	98US-0088326P.	PR	04-AUG-1998;	98US-0095318P.
PR	04-JUN-1998;	98US-0088167P.	PR	04-AUG-1998;	98US-0095321P.
PR	05-JUN-1998;	98US-0088202P.	PR	04-AUG-1998;	98US-0095325P.
PR	05-JUN-1998;	98US-0088210P.	PR	10-AUG-1998;	98US-0095916P.
PR	05-JUN-1998;	98US-0088212P.	PR	10-AUG-1998;	98US-0095929P.
PR	05-JUN-1998;	98US-0088217P.	PR	10-AUG-1998;	98US-0096012P.
PR	05-JUN-1998;	98US-0088655P.	PR	11-AUG-1998;	98US-0096143P.
PR	10-JUN-1998;	98US-0088734P.	PR	11-AUG-1998;	98US-0096146P.
PR	10-JUN-1998;	98US-0088738P.	PR	11-AUG-1998;	98US-0096329P.
PR	10-JUN-1998;	98US-0088742P.	PR	17-AUG-1998;	98US-0096325P.
PR	10-JUN-1998;	98US-0088810P.	PR	17-AUG-1998;	98US-0096575P.
PR	10-JUN-1998;	98US-0088824P.	PR	17-AUG-1998;	98US-0096766P.
PR	10-JUN-1998;	98US-0088826P.	PR	17-AUG-1998;	98US-0096768P.
PR	11-JUN-1998;	98US-0088858P.	PR	17-AUG-1998;	98US-0096773P.
PR	11-JUN-1998;	98US-0088861P.	PR	17-AUG-1998;	98US-0096791P.
PR	11-JUN-1998;	98US-0088876P.	PR	17-AUG-1998;	98US-0096867P.
PR	12-JUN-1998;	98US-0089105P.	PR	17-AUG-1998;	98US-0096891P.
PR	16-JUN-1998;	98US-0089440P.	PR	17-AUG-1998;	98US-0096894P.
PR	16-JUN-1998;	98US-0089512P.	PR	17-AUG-1998;	98US-0096895P.
PR	16-JUN-1998;	98US-0089514P.	PR	17-AUG-1998;	98US-0096897P.
PR	17-JUN-1998;	98US-0089532P.	PR	18-AUG-1998;	98US-0096949P.
PR	17-JUN-1998;	98US-0089538P.	PR	18-AUG-1998;	98US-0096950P.
PR	17-JUN-1998;	98US-0089598P.	PR	18-AUG-1998;	98US-0096959P.
PR	17-JUN-1998;	98US-0089599P.	PR	18-AUG-1998;	98US-0096960P.
PR	17-JUN-1998;	98US-0089600P.	PR	18-AUG-1998;	98US-0097022P.
PR	17-JUN-1998;	98US-0089653P.	PR	19-AUG-1998;	98US-0097141P.
PR	18-JUN-1998;	98US-0089801P.	PR	20-AUG-1998;	98US-0097218P.
PR	18-JUN-1998;	98US-0089907P.	PR	24-AUG-1998;	98US-0097661P.
PR	18-JUN-1998;	98US-0089908P.	PR	24-AUG-1998;	98US-0097952P.
PR	19-JUN-1998;	98US-0089947			

PR 26-JUL-1999; 99US-0145698P.  
 PR 28-JUL-1999; 99US-0146222P.  
 PR 17-AUG-1999; 99US-0149396P.  
 PR 15-SEP-1999; 99US-0149396P.  
 PR 15-SEP-1999; 99US-0149396P.  
 PR 08-OCT-1999; 99US-0158663P.  
 PR 30-NOV-1999; 99US-0158663P.  
 PR 01-DEC-1999; 99US-0158663P.  
 PR 01-DEC-1999; 99US-0158663P.  
 PR 16-DEC-1999; 99US-0158663P.  
 PR 20-DEC-1999; 99US-0158663P.  
 PR 05-JAN-2000; 2000US-00000019.  
 PR 06-JAN-2000; 2000US-00000019.  
 PR 11-FEB-2000; 2000US-00000019.  
 PR 18-FEB-2000; 2000US-00000019.  
 PR 22-FEB-2000; 2000US-00000019.  
 PR 24-FEB-2000; 2000US-00000019.  
 PR 02-MAR-2000; 2000US-00000019.  
 PR 10-MAR-2000; 2000US-00000019.  
 PR 15-MAR-2000; 2000US-00000019.  
 PR 20-MAR-2000; 2000US-00000019.  
 PR 30-MAR-2000; 2000US-00000019.  
 PR 15-MAY-2000; 2000US-00000019.  
 PR 17-MAY-2000; 2000US-00000019.  
 PR 22-MAY-2000; 2000US-00000019.  
 PR 30-MAY-2000; 2000US-00000019.  
 PR 02-JUN-2000; 2000US-00000019.  
 PR 23-JUN-2000; 2000US-00000019.

Query Match 100.0%; Score 589; DB 7; Length 105;

Best Local Similarity 100.0%; Pred. NO. 2.5e-54; Indels 0; Gaps 0;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGRATRVSIMLLVTSDCAVITGACERDVQCGAGTCCCAISLMLRGLRMCTPLGRGEEC 60

Db 1 MGRATRVSIMLLVTSDCAVITGACERDVQCGAGTCCCAISLMLRGLRMCTPLGRGEEC 60

Qy 61 HPGSHKVPFFRKRRKHHTCPCLNLLCSRPDPGRYRCMDLKNINF 105

Db 61 HPGSHKVPFFRKRRKHHTCPCLNLLCSRPDPGRYRCMDLKNINF 105

RESULT 153

ADCL1549

ID ADCL1549 standard; protein; 105 AA.

XX AC ADCL1549;

XX AC ADCL1549;

XX DT 18-DEC-2003 (first entry)

XX DE Human secreted/transmembrane protein PRO1186.

XX KW PRO; secreted protein; transmembrane protein;  
 KW hypertrophy of neonatal heart; angiogenesis;  
 KW vascular endothelial growth factor; VEGF-stimulated proliferation;  
 KW endothelial cell; T-lymphocyte proliferation; retinal neuron;  
 KW c-fos induction; adipocyte cell; chondrocyte differentiation;  
 KW pancreatic beta-cell precursor differentiation; gene therapy; tumour;  
 KW cancer; human; colon cancer; lung cancer; breast cancer;  
 KW rod photoreceptor cell.

XX OS Homo sapiens.

XX OS Homo sapiens.

XX PN US2003069403-A1.

XX PN 10-APR-2003.

XX FD 14-NOV-2001; 2001US-00993748.

XX FF 16-JUN-1997; 97US-0049787P.

XX FF 17-OCT-1997; 97US-0062250P.

XX FF 05-NOV-1997; 97US-0062250P.

XX FF 05-NOV-1997; 97US-0062250P.

XX FF 05-NOV-1997; 97US-0062250P.

PR 12-NOV-1997; 97US-0065186P.  
 PR 13-NOV-1997; 97US-0065186P.  
 PR 24-NOV-1997; 97US-0065186P.  
 PR 25-FEB-1998; 98US-0075945P.  
 PR 20-MAR-1998; 98US-0075945P.  
 PR 28-APR-1998; 98US-0083322P.  
 PR 07-MAY-1998; 98US-0084600P.  
 PR 28-MAY-1998; 98US-0087106P.  
 PR 02-JUN-1998; 98US-0087607P.  
 PR 02-JUN-1998; 98US-0087607P.  
 PR 02-JUN-1998; 98US-0087759P.  
 PR 03-JUN-1998; 98US-0087827P.  
 PR 04-JUN-1998; 98US-0088021P.  
 PR 04-JUN-1998; 98US-0088025P.  
 PR 04-JUN-1998; 98US-0088026P.  
 PR 04-JUN-1998; 98US-0088028P.  
 PR 04-JUN-1998; 98US-0088029P.  
 PR 04-JUN-1998; 98US-0088030P.  
 PR 04-JUN-1998; 98US-0088033P.  
 PR 04-JUN-1998; 98US-0088036P.  
 PR 05-JUN-1998; 98US-0088167P.  
 PR 05-JUN-1998; 98US-0088202P.  
 PR 05-JUN-1998; 98US-0088217P.  
 PR 05-JUN-1998; 98US-0088217P.  
 PR 09-JUN-1998; 98US-0088655P.  
 PR 10-JUN-1998; 98US-0088734P.  
 PR 10-JUN-1998; 98US-0088738P.  
 PR 10-JUN-1998; 98US-0088742P.  
 PR 10-JUN-1998; 98US-0088810P.  
 PR 10-JUN-1998; 98US-0088824P.  
 PR 10-JUN-1998; 98US-0088828P.  
 PR 11-JUN-1998; 98US-0088858P.  
 PR 11-JUN-1998; 98US-0088861P.  
 PR 11-JUN-1998; 98US-0088876P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 16-JUN-1998; 98US-0089440P.  
 PR 16-JUN-1998; 98US-0089512P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 16-JUN-1998; 98US-0089532P.  
 PR 17-JUN-1998; 98US-0089538P.  
 PR 17-JUN-1998; 98US-0089598P.  
 PR 17-JUN-1998; 98US-0089599P.  
 PR 17-JUN-1998; 98US-0089600P.  
 PR 17-JUN-1998; 98US-0089653P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 19-JUN-1998; 98US-0089947P.  
 PR 19-JUN-1998; 98US-0089948P.  
 PR 19-JUN-1998; 98US-0089952P.  
 PR 22-JUN-1998; 98US-0090246P.  
 PR 22-JUN-1998; 98US-0090252P.  
 PR 22-JUN-1998; 98US-0090254P.  
 PR 23-JUN-1998; 98US-0090349P.  
 PR 23-JUN-1998; 98US-0090355P.  
 PR 24-JUN-1998; 98US-0090429P.  
 PR 24-JUN-1998; 98US-0090431P.  
 PR 24-JUN-1998; 98US-0090435P.  
 PR 24-JUN-1998; 98US-0090444P.  
 PR 24-JUN-1998; 98US-0090445P.  
 PR 24-JUN-1998; 98US-0090472P.  
 PR 24-JUN-1998; 98US-0090535P.  
 PR 24-JUN-1998; 98US-0090540P.  
 PR 24-JUN-1998; 98US-0090542P.  
 PR 24-JUN-1998; 98US-0090557P.  
 PR 25-JUN-1998; 98US-0090676P.  
 PR 25-JUN-1998; 98US-0090678P.  
 PR 25-JUN-1998; 98US-0090690P.  
 PR 25-JUN-1998; 98US-0090694P.  
 PR 25-JUN-1998; 98US-0090695P.  
 PR 25-JUN-1998; 98US-0090696P.  
 PR 26-JUN-1998; 98US-0090696P.  
 PR 26-JUN-1998; 98US-0090696P.  
 PR 26-JUN-1998; 98US-0090696P.

PR 01-JUL-1998;	98US-0091360P.	PR 15-SEP-1999;	92WO-US021090.
PR 01-JUL-1998;	98US-0091544P.	PR 15-SEP-1999;	93WO-US021547.
PR 02-JUL-1998;	98US-0091478P.	PR 08-OCT-1999;	99US-0158663P.
PR 02-JUL-1998;	98US-0091519P.	PR 30-NOV-1999;	99WO-US028313.
PR 02-JUL-1998;	98US-0091626P.	PR 01-DEC-1999;	99WO-US028301.
PR 02-JUL-1998;	98US-0091628P.	PR 01-DEC-1999;	99WO-US028634.
PR 02-JUL-1998;	98US-0091633P.	PR 16-DEC-1999;	99WO-US030095.
PR 02-JUL-1998;	98US-0091646P.	PR 20-DEC-1999;	99WO-US030911.
PR 02-JUL-1998;	98US-0091673P.	PR 05-JAN-2000;	2000WO-US000219.
PR 07-JUL-1998;	98US-0091978P.	PR 06-JAN-2000;	2000WO-US000376.
PR 07-JUL-1998;	98US-0091982P.	PR 11-FEB-2000;	2000WO-US003565.
PR 09-JUL-1998;	98US-0092182P.	PR 18-FEB-2000;	2000WO-US004341.
PR 10-JUL-1998;	98US-0092472P.	PR 22-FEB-2000;	2000WO-US004414.
PR 20-JUL-1998;	98US-0093339P.	PR 24-FEB-2000;	2000WO-US004914.
PR 30-JUL-1998;	98US-0094651P.	PR 24-FEB-2000;	2000WO-US005004.
PR 04-AUG-1998;	98US-0095282P.	PR 02-MAR-2000;	2000WO-US005841.
PR 04-AUG-1998;	98US-0095285P.	PR 10-MAR-2000;	2000WO-US006319.
PR 04-AUG-1998;	98US-0095301P.	PR 15-MAR-2000;	2000WO-US006884.
PR 04-AUG-1998;	98US-0095302P.	PR 20-MAR-2000;	2000WO-US007377.
PR 04-AUG-1998;	98US-0095318P.	PR 30-MAR-2000;	2000WO-US008439.
PR 04-AUG-1998;	98US-0095321P.	PR 15-MAY-2000;	2000WO-US013358.
PR 04-AUG-1998;	98US-0095325P.	PR 17-MAY-2000;	2000WO-US013705.
PR 10-AUG-1998;	98US-0095916P.	PR 22-MAY-2000;	2000WO-US014042.
PR 10-AUG-1998;	98US-0095929P.	PR 30-MAY-2000;	2000WO-US014941.
PR 11-AUG-1998;	98US-0096012P.	PR 02-JUN-2000;	2000WO-US015264.
PR 11-AUG-1998;	98US-0096143P.	PR 23-JUN-2000;	2000US-0213637P.
PR 11-AUG-1998;	98US-0096146P.		
PR 12-AUG-1998;	98US-0096323P.		
PR 17-AUG-1998;	98US-0096757P.		
PR 17-AUG-1998;	98US-0096766P.		
PR 17-AUG-1998;	98US-0096773P.		
PR 17-AUG-1998;	98US-0096791P.		
PR 17-AUG-1998;	98US-0096867P.		
PR 17-AUG-1998;	98US-0096891P.		
PR 17-AUG-1998;	98US-0096894P.		
PR 17-AUG-1998;	98US-0096895P.		
PR 17-AUG-1998;	98US-0096897P.		
PR 18-AUG-1998;	98US-0096949P.		
PR 18-AUG-1998;	98US-0096950P.		
PR 18-AUG-1998;	98US-0096959P.		
PR 18-AUG-1998;	98US-0096960P.		
PR 19-AUG-1998;	98US-0097141P.		
PR 20-AUG-1998;	98US-0097218P.		
PR 24-AUG-1998;	98US-0097661P.		
PR 24-AUG-1998;	98US-0097952P.		
PR 26-AUG-1998;	98US-0097954P.		
PR 26-AUG-1998;	98US-0097955P.		
PR 26-AUG-1998;	98US-0097971P.		
PR 26-AUG-1998;	98US-0097974P.		
PR 26-AUG-1998;	98US-0097978P.		
PR 26-AUG-1998;	98US-0097979P.		
PR 26-AUG-1998;	98US-0097986P.		
PR 26-AUG-1998;	98US-0098014P.		
PR 31-AUG-1998;	98US-0098525P.		
PR 16-SEP-1998;	98US-0100634P.		
PR 16-SEP-1998;	98WO-US019330.		
PR 17-SEP-1998;	98US-0100858P.		
PR 17-SEP-1998;	98WO-US019437.		
PR 01-DEC-1998;	98WO-US021141.		
PR 02-DEC-1998;	98WO-US025108.		
PR 25-DEC-1998;	98US-0113296P.		
PR 05-JAN-1999;	99WO-US000106.		
PR 08-MAR-1999;	99WO-US005028.		
PR 12-MAR-1999;	99US-0123957P.		
PR 02-JUN-1999;	99WO-US012252.		
PR 23-JUN-1999;	98US-0141037P.		
PR 07-JUL-1999;	98US-0143048P.		
PR 20-JUL-1999;	98US-0144758P.		
PR 26-JUL-1999;	99US-0145698P.		
PR 28-JUL-1999;	99US-0146222P.		
PR 17-AUG-1999;	99US-0149396P.		
Query Match 100.0%; Score 589; DB 7; Length 105;			
Best Local Similarity 100.0%; Pred. No. 2.5e-54;			
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1 MEGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALISLWLRGRLMCTPLGRGEEC 60		
DB	1 MEGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALISLWLRGRLMCTPLGRGEEC 60		
QY	61 HPGSHKVPFFRRKHHTCPCLPNLLCSRFDPGRYRCMDLKNINF 105		
DB	61 HPGSHKVPFFRRKHHTCPCLPNLLCSRFDPGRYRCMDLKNINF 105		
RESULT 154			
ID	ADC36895		
AC	ADC36895 standard; protein; 105 AA.		
XX	ADC36895;		
XX	18-DEC-2003 (first entry)		
XX	Human PRO polypeptide #83.		
XX	Human; PRO; secreted polypeptide; transmembrane polypeptide; tumour;		
XX	cancer; lung; colon; breast; prostate; rectum; liver;		
XX	tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell;		
XX	pericyte cell; dermal fibroblast; bone disorder; cartilage disorder;		
XX	arthritis; sports injury; cytostatic; antiarthritic.		
OS	Homo sapiens.		
XX	US200308065-A1.		
PN	08-MAY-2003.		
XX	14-AUG-2002; 2002US-00219464.		
PR	01-JUN-2001; 2001WO-US017800.		
PR	29-JUN-2001; 2001WO-US021086.		
PR	09-APR-2002; 2002US-00119480.		
XX	(GETH ) GENENTECH INC.		
XX	Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;		
PI	Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;		
XX			

DR WPI: 2003-657979/62.  
DR N-PSDB; ADC36894.  
XX  
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,  
PT useful in gene therapy, or for preparing a medicament for treating  
PT cancer.  
XX  
XX  
PS Claim 11; Fig 166; 315pp; English.  
XX  
XX The invention relates to human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the PRO polynucleotides encoding them.  
CC The PRO polypeptides and polynucleotides are useful as pharmaceuticals,  
CC diagnostics, biosensors or bioreactors. They are particularly useful for  
CC detecting tumours (e.g. lung tumour, colon tumour, breast tumour,  
CC prostate tumour, rectal tumour or liver tumour) in a mammal, for  
CC stimulating the release of tumour necrosis factor (TNF)-alpha from human  
CC blood, for stimulating the proliferation or differentiation of or gene  
CC chondrocyte cells, for stimulating the proliferation of or gene  
CC expression in pericyte cells or for stimulating the proliferation of  
CC normal human dermal fibroblasts. The PRO nucleic acids are useful as  
CC hybridisation probes, in chromosome identification, as chromosome  
CC antisense RNA and DNA, in preparing PRO polypeptides by recombinant  
CC technology, in generating transgenic animals or knock-out animals which  
CC may be used in the development and screening of therapeutically useful  
CC reagents, in gene therapy, in chromosome identification, as chromosome  
CC markers and in generating probes. The PRO polypeptides, or anti-PRO  
CC antibodies, are useful for preparing a medicament for treating a  
CC condition which is responsive to the PRO polypeptides or anti-PRO  
CC antibodies, such as pericyte-associated tumours and bone and/or cartilage  
CC disorders (e.g. arthritis, sports injuries), involving inducing the re-  
CC differentiation of chondrocytes. The PRO polypeptides are useful as  
CC molecular markers for protein electrophoresis, and in tissue typing. This  
XX sequence represents a human PRO polypeptide of the invention.  
XX  
SQ Sequence 105 AA;  
  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
  
RESULT 155  
ADC21885  
ID ADC21885 standard; protein; 105 AA.  
XX  
XX ADC21885;  
XX  
DT 18-DEC-2003 (first entry)  
XX  
DE Human PRO polypeptide #83.  
XX  
XX Human; PRO; secreted polypeptide; transmembrane polypeptide; tumour;  
XX cancer; lung; colon; breast; prostate; rectum; liver;  
XX tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell;  
XX pericyte cell; dermal fibroblast; bone disorder; cartilage disorder;  
XX arthritis; sports injury; cytostatic; antiarthritic.  
XX  
OS Homo sapiens.  
XX  
XX US2003096969-A1.  
XX  
PD 22-MAY-2003.  
XX  
XX 29-AUG-2002; 2002US-00232225.  
XX

PR 02-JUN-2000; 2000WO-US015264.  
PR 05-JUN-2000; 2000US-0209832P.  
PR 20-JUN-2000; 2000US-0212901P.  
PR 22-JUN-2000; 2000US-0213807P.  
PR 20-JUL-2000; 2000US-0219556P.  
PR 25-JUL-2000; 2000US-0220385P.  
PR 25-JUL-2000; 2000US-0220605P.  
PR 25-JUL-2000; 2000US-0220607P.  
PR 25-JUL-2000; 2000US-0220624P.  
PR 25-JUL-2000; 2000US-0220638P.  
PR 25-JUL-2000; 2000US-0220664P.  
PR 26-JUL-2000; 2000US-0220666P.  
PR 26-JUL-2000; 2000US-0220893P.  
PR 01-AUG-2000; 2000US-0222425P.  
PR 22-AUG-2000; 2000US-0227133P.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 10-NOV-2000; 2000WO-US030873.  
PR 28-NOV-2000; 2000US-0253646P.  
PR 01-DEC-2000; 2000WO-US036678.  
PR 20-DEC-2000; 2000US-00747259.  
PR 20-DEC-2000; 2000WO-US034956.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 25-MAY-2001; 2001WO-US017092.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 03-APR-2002; 2002US-00119480.  
XX  
XX (GETH ) GENENTECH INC.  
XX  
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
XX  
XX WPI; 2003-765526/72.  
DR N-PSDB; ADC21884.  
XX  
XX Novel isolated PRO polypeptide useful for tissue typing, as molecular  
XX weight markers in protein electrophoresis, for treating arthritis, tumor.  
XX  
XX Claim 11; Fig 166; 308pp; English.  
XX  
XX The invention relates to human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the PRO polynucleotides encoding them.  
XX The PRO polypeptides and polynucleotides are useful as pharmaceuticals,  
XX diagnostics, biosensors or bioreactors. They are particularly useful for  
XX detecting tumours (e.g. lung tumour, colon tumour, breast tumour,  
XX prostate tumour, rectal tumour or liver tumour) in a mammal, for  
XX stimulating the release of tumour necrosis factor (TNF)-alpha from human  
XX blood, for stimulating the proliferation or differentiation of or gene  
XX chondrocyte cells, for stimulating the proliferation of or gene  
XX expression in pericyte cells or for stimulating the proliferation of  
XX normal human dermal fibroblasts. The PRO nucleic acids are useful as  
XX hybridisation probes, in chromosome identification, as chromosome  
XX antisense RNA and DNA, in preparing PRO polypeptides by recombinant  
XX technology, in generating transgenic animals or knock-out animals which  
XX may be used in the development and screening of therapeutically useful  
XX reagents, in gene therapy, in chromosome identification, as chromosome  
XX markers and in generating probes. The PRO polypeptides, or anti-PRO  
XX antibodies, are useful for preparing a medicament for treating a  
XX condition which is responsive to the PRO polypeptides or anti-PRO  
XX antibodies, such as pericyte-associated tumours and bone and/or cartilage  
XX disorders (e.g. arthritis, sports injuries), involving inducing the re-  
XX differentiation of chondrocytes. The PRO polypeptides are useful as  
XX molecular markers for protein electrophoresis, and in tissue typing. This  
XX sequence represents a human PRO polypeptide of the invention.  
XX  
SQ Sequence 105 AA;  
  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
  
RESULT 155  
ADC21885  
ID ADC21885 standard; protein; 105 AA.  
XX  
XX ADC21885;  
XX  
DT 18-DEC-2003 (first entry)  
XX  
DE Human PRO polypeptide #83.  
XX  
XX Human; PRO; secreted polypeptide; transmembrane polypeptide; tumour;  
XX cancer; lung; colon; breast; prostate; rectum; liver;  
XX tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell;  
XX pericyte cell; dermal fibroblast; bone disorder; cartilage disorder;  
XX arthritis; sports injury; cytostatic; antiarthritic.  
XX  
OS Homo sapiens.  
XX  
XX US2003096969-A1.  
XX  
PD 22-MAY-2003.  
XX  
XX 29-AUG-2002; 2002US-00232225.  
XX

Db 1 MEGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGRGSEC 60  
 Qy 61 HPGSHKVPFFRKHKHTCPCLNLLCSRRFPDGRYRCSDMLKXNINF 105  
 Db 61 HPGSHKVPFFRKHKHTCPCLNLLCSRRFPDGRYRCSDMLKXNINF 105

RESULT 156  
 ADC50511  
 ID ADC50511 standard; protein; 105 AA.  
 AC ADC50511;  
 DT 18-DEC-2003 (first entry)  
 XX Novel human secreted and transmembrane protein PRO1186.  
 XX Human; secreted and transmembrane protein; PRO; secreted polypeptide;  
 KW transmembrane polypeptide; tumour necrosis factor-alpha; TNF-alpha;  
 KW chondrocyte; tumour; cancer; adrenal; lung; colon; breast; prostate;  
 KW rectum; kidney; cervix; liver; microvascular endothelial cell;  
 KW glucose uptake modulator; FFA uptake modulator; cell proliferation;  
 KW cell differentiation; skeletal muscle cell; adipocyte cell;  
 KW pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage defect;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder; thalassaemia;  
 KW immune system cell infiltration; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.  
 XX Homo sapiens.  
 OS  
 XX US2003092106-A1.  
 PN  
 XX 15-MAY-2003.  
 PD  
 XX 24-APR-2002; 2002US-00131822.  
 PF  
 XX 19-AUG-1998; 98US-0097141P;  
 PR 02-JUN-1999; 99WO-US012252;  
 PR 25-AUG-1999; 99US-00380137.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX (GETH ) GENENTECH INC.  
 PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-801171/75.  
 DR N-PSDB; ADC50510.  
 XX New secreted and transmembrane nucleic acid useful for treating  
 PT inflammation, organ failure, atherosclerosis, cardiac injury,  
 PT infertility, birth defects, premature aging, acquired immunodeficiency  
 PT syndrome or cancer.  
 XX Claim 12; Fig 470; 637pp; English.  
 PS  
 XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also

CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte  
 CC cells, for stimulating differentiation of adipocyte cells, for  
 CC stimulating proliferation of or gene expression in pericyte cells, for  
 CC stimulating the proliferation of inner ear utricular supporting cells or  
 CC T-lymphocyte cells, for inducing endothelial cell tube formation and for  
 CC treating various bone and/or cartilage disorders such as sports injuries  
 CC and arthritis. PRO polypeptides which stimulate the release of  
 CC proteoglycans from cartilage are useful for treating sports-related joint  
 CC problems, articular cartilage defects, osteoarthritis and rheumatoid  
 CC arthritis. PRO polypeptides are also useful for treating various  
 CC mammalian haemoglobin-associated disorders such as various thalassaemias  
 CC and conditions which may benefit from enhanced local immune system cell  
 CC infiltration. This sequence represents a human PRO polypeptide of the  
 CC invention. Note: The sequence data for this patent is also available in  
 CC electronic format from USPTO at seqdata.uspto.gov/sequence.html.  
 XX Sequence 105 AA;  
 SQ

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGRGSEC 60  
 Db 1 MEGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGRGSEC 60

Qy 61 HPGSHKVPFFRKHKHTCPCLNLLCSRRFPDGRYRCSDMLKXNINF 105  
 Db 61 HPGSHKVPFFRKHKHTCPCLNLLCSRRFPDGRYRCSDMLKXNINF 105

RESULT 157  
 ADC72058  
 ID ADC72058 standard; protein; 105 AA.  
 XX ADC72058;  
 AC  
 XX 18-DEC-2003 (first entry).  
 DT  
 XX Novel human secreted and transmembrane protein PRO1186.  
 DE Human; secreted and transmembrane protein; PRO; secreted polypeptide;  
 XX transmembrane polypeptide; tumour necrosis factor-alpha; TNF-alpha;  
 KW chondrocyte; tumour; cancer; adrenal; lung; colon; breast; prostate;  
 KW rectum; kidney; cervix; liver; microvascular endothelial cell;  
 KW glucose uptake modulator; FFA uptake modulator; cell proliferation;  
 KW cell differentiation; skeletal muscle cell; adipocyte cell;  
 KW pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage defect;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder; thalassaemia;  
 KW immune system cell infiltration; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.  
 XX Homo sapiens.  
 OS  
 XX US2003092107-A1.  
 PN  
 XX 15-MAY-2003.  
 PD  
 XX 24-APR-2002; 2002US-00131828.  
 PF  
 XX 07-OCT-1998; 98US-0103315P.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 18-OCT-1999; 99US-00403297.  
 PR 18-FEB-2000; 2000WO-US004342.





CC problems, articular cartilage defects, osteoarthritis and rheumatoid  
 CC arthritis. PRO polypeptides are also useful for treating various  
 CC mammalian haemoglobin-associated disorders such as various thalassaemias  
 CC and conditions which may benefit from enhanced local immune system cell  
 CC infiltration. This sequence represents a human PRO polypeptide of the  
 CC invention. Note: The sequence data for this patent is also available in  
 CC electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
 XX  
 XX Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
 Db 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
 QY 61 HPGSHKVPFFPRKRKHHTCPCLNLLCSRFDPDGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFFPRKRKHHTCPCLNLLCSRFDPDGRYRCSMDLKNINF 105  
 RESULT 159  
 ADC49916  
 ID ADC49916 standard; protein; 105 AA.  
 AC ADC49916;  
 XX  
 XX 18-DEC-2003 (first entry)  
 DT  
 XX Novel human secreted and transmembrane protein PRO1186.  
 XX human; secreted and transmembrane protein; PRO; cytostatic; vulnary;  
 XX antiarthritic; pericyte cell proliferation;  
 XX pericyte cell differentiation; chondrocyte cell proliferation;  
 XX chondrocyte cell differentiation; tumour necrosis factor alpha release;  
 XX (TNF)-alpha release; dermal fibroblast cell proliferation;  
 XX dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
 XX colon tumour; breast tumour; prostate tumour; rectal tumour;  
 XX liver tumour; tissue typing; chromosome mapping; gene mapping;  
 XX gene therapy.  
 XX  
 XX Homo sapiens.  
 OS  
 XX US2003088064-A1.  
 PN  
 XX 08-MAY-2003.  
 PD  
 XX 14-AUG-2002; 2002US-00219075.  
 PF  
 XX 25-JUL-2000; 2000US-0220605P.  
 PR  
 XX 01-JUN-2001; 2001WO-US017800.  
 PR  
 XX 29-JUN-2001; 2001WO-US021066.  
 PR  
 XX 09-APR-2002; 2002US-00119480.  
 XX  
 XX (GETH ) GENENTECH INC.  
 PA  
 XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
 PI N-PSDB; ADC49915.  
 DR WPI; 2003-801154/75.  
 DR N-PSDB; ADC49915.  
 XX  
 XX New secreted and transmembrane PRO polypeptide useful for preparing a  
 PT medicament for treating a condition that is responsive to the PRO  
 PT polypeptide or anti-PRO antibody, e.g. cancer.  
 PT  
 XX Claim 11; SEQ ID NO 166; 314pp; English.  
 PS  
 XX The invention describes an isolated PRO (secreted and transmembrane)  
 CC polypeptide (I). PRO982, PRO1186, PRO1187 or PRO1329 polypeptide are  
 CC useful for stimulating the proliferation of or gene expression in

CC pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful  
 CC for stimulating the proliferation or differentiation of chondrocyte  
 CC cells. PRO331, PRO357, PRO725, PRO155, PRO1306 or PRO1419 polypeptide  
 CC are useful for stimulating the release of tumour necrosis factor (TNF)-  
 CC alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,  
 CC PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,  
 CC PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,  
 CC PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1412,  
 CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,  
 CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1478, PRO1367, PRO1567,  
 CC PRO1887, PRO1328, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4332,  
 CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for  
 CC stimulating the proliferation of normal human dermal fibroblast cells.  
 CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,  
 CC PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for  
 CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
 CC polypeptides such as PRO6004, PRO4981, PRO174, PRO5778, PRO4332, etc.,  
 CC are useful for detecting the presence of tumour in a mammal which  
 CC involves comparing the level of expression of the above PRO polypeptides  
 CC in a test sample of cells taken from the mammal, and a control sample of  
 CC normal cells of the same cell type, where a higher level of expression of  
 CC the PRO polypeptides in the test sample as compared to the control sample  
 CC is indicative of the presence of tumour in the mammal. The tumour is lung  
 CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. (I) is useful as molecular weight markers, for tissue  
 CC typing or as therapeutic agents. A polynucleotide (II) encoding (I) is  
 CC useful for chromosome and gene mapping or gene therapy. (II) is useful  
 CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.  
 XX  
 XX Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
 Db 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
 QY 61 HPGSHKVPFFPRKRKHHTCPCLNLLCSRFDPDGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFFPRKRKHHTCPCLNLLCSRFDPDGRYRCSMDLKNINF 105  
 RESULT 160  
 ADC49115  
 ID ADC49115 standard; protein; 105 AA.  
 AC ADC49115;  
 XX  
 XX 18-DEC-2003 (first entry)  
 DT  
 XX Novel human secreted and transmembrane protein PRO1186.  
 XX human; secreted and transmembrane protein; PRO; cytostatic; vulnary;  
 XX antiarthritic; pericyte cell proliferation;  
 XX pericyte cell differentiation; chondrocyte cell proliferation;  
 XX chondrocyte cell differentiation; tumour necrosis factor alpha release;  
 XX (TNF)-alpha release; dermal fibroblast cell proliferation;  
 XX dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
 XX colon tumour; breast tumour; prostate tumour; rectal tumour;  
 XX liver tumour; tissue typing; chromosome mapping; gene mapping;  
 XX gene therapy.  
 XX  
 XX Homo sapiens.  
 OS  
 XX US2003088070-A1.  
 PN  
 XX 08-MAY-2003.  
 PD

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XX PF 28-AUG-2002; 2002US-00230260.
XX AC 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX PA (GETH ) GENENTECH INC.
XX PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX DR WPI; 2003-801155/75.
XX DR N-PSDB; ADC49114.
XX PT New PRO polypeptides and nucleic acids encoding the polypeptides, useful
PT in gene therapy, chromosome identification, tissue typing, or as
PT hybridization probes in chromosome and gene mapping.
XX PS Claim 11; SEQ ID NO 166; 315pp; English.
XX CC The invention describes an isolated PRO (secreted and transmembrane)
CC polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
CC useful for stimulating the proliferation of or gene expression in
CC pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
CC for stimulating the proliferation or differentiation of chondrocyte
CC cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
CC are useful for stimulating the release of tumour necrosis factor (TNF)-
CC alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,
CC PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,
CC PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
CC PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,
CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,
CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,
CC PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4332,
CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for
CC stimulating the proliferation of normal human dermal fibroblasts cells.
CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1486, PRO4302, PRO4408,
CC PRO5723, PRO3725, PRO7154, or PRO7425 polypeptide are useful for
CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO
CC polypeptides such as PRO6004, PRO4981, PRO1714, PRO5778, PRO4332, etc.,
CC are useful for detecting the presence of tumour in a mammal which
CC involves comparing the level of expression of the above PRO polypeptides
CC in a test sample of cells taken from the mammal, and a control sample of
CC normal cells of the same cell type, where a higher level of expression of
CC the PRO polypeptides in the test sample as compared to the control sample
CC is indicative of the presence of tumour in the mammal. The tumour is lung
CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. (I) is useful as molecular weight markers, for tissue
XX SQ Sequence 105 AA;
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRGATRVISIMLLVTSDCAVITGACERDVCCAGTCCCAISLWLRGRLNCTPLRGEGEC 60
DB 1 MRGATRVISIMLLVTSDCAVITGACERDVCCAGTCCCAISLWLRGRLNCTPLRGEGEC 60
QY 61 HPGSHKVPFRKRKHTCTCPLNLLCSRFDPDGRYRCSMDLNKINF 105
DB 61 HPGSHKVPFRKRKHTCTCPLNLLCSRFDPDGRYRCSMDLNKINF 105
RESULT 161

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ADC49632  
ID ADC49632 standard; protein; 105 AA.

XX AC ADC49632;

XX DT 18-DEC-2003 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1186.

XX human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;  
XX antiarthritic; pericyte cell proliferation;  
XX pericyte cell differentiation; chondrocyte cell proliferation;  
XX chondrocyte cell differentiation; tumour necrosis factor alpha release;  
XX (TNF)-alpha release; dermal fibroblast cell proliferation;  
XX dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
XX colon tumour; breast tumour; prostate tumour; rectal tumour;  
XX liver tumour; tissue typing; chromosome mapping; gene mapping;  
XX gene therapy.

XX OS Homo sapiens.

XX US US2003088071-A1.

XX PD 08-MAY-2003.

XX PF 29-AUG-2002; 2002US-00232231.

XX PR 01-JUN-2001; 2001WO-US017800.

XX PR 29-JUN-2001; 2001WO-US021066.

XX PR 09-APR-2002; 2002US-00119480.

XX (GETH ) GENENTECH INC.

XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
XX Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
XX WPI; 2003-801155/75.  
XX N-PSDB; ADC49631.

XX New PRO polypeptides and nucleic acids encoding the polypeptides, useful  
XX in gene therapy, chromosome identification, tissue typing, or as  
XX hybridization probes in chromosome and gene mapping.

XX Claim 11; SEQ ID NO 166; 315pp; English.

XX The invention describes an isolated PRO (secreted and transmembrane)  
XX polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are  
XX useful for stimulating the proliferation of or gene expression in  
XX pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful  
XX for stimulating the proliferation or differentiation of chondrocyte  
XX cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide  
XX are useful for stimulating the release of tumour necrosis factor (TNF)-  
XX alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,  
XX PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,  
XX PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,  
XX PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,  
XX PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,  
XX PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,  
XX PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4332,  
XX PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for  
XX stimulating the proliferation of normal human dermal fibroblasts cells.  
XX PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1486, PRO4302, PRO4408,  
XX PRO5723, PRO3725, PRO7154, or PRO7425 polypeptide are useful for  
XX inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
XX polypeptides such as PRO6004, PRO4981, PRO1714, PRO5778, PRO4332, etc.,  
XX are useful for detecting the presence of tumour in a mammal which  
XX involves comparing the level of expression of the above PRO polypeptides  
XX in a test sample of cells taken from the mammal, and a control sample of  
XX normal cells of the same cell type, where a higher level of expression of  
XX the PRO polypeptides in the test sample as compared to the control sample  
XX is indicative of the presence of tumour in the mammal. The tumour is lung  
XX tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
XX liver tumour. (I) is useful as molecular weight markers, for tissue

CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is  
 CC useful for chromosome and gene mapping or gene therapy. (II) is useful  
 CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.

XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLMCTPLGRGEGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLMCTPLGRGEGEC 60  
 QY 61 HPGSHKVPFFPRKXKHTCPCLENNLLCSRFPPDGRYRCSMDLKNINF 105  
 DB 61 HPGSHKVPFFPRKXKHTCPCLENNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 162  
 ADC47493  
 ID ADC47493 standard; protein; 105 AA.  
 AC ADC47493;  
 DT 18-DEC-2003 (first entry)  
 XX  
 DE Novel human secreted and transmembrane protein PRO1186.  
 DE Human; secreted and transmembrane protein; PRO; cytostatic; vulnery;  
 KW antiarthritic; pericyte cell proliferation;  
 KW pericyte cell differentiation; chondrocyte cell proliferation;  
 KW chondrocyte cell differentiation; tumour necrosis factor alpha release;  
 KW (TNF)-alpha release; dermal fibroblast cell proliferation; lung tumour;  
 KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
 KW colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW liver tumour; tissue typing; chromosome mapping; gene mapping;  
 KW gene therapy.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003088072-A1.  
 XX  
 PD 08-MAY-2003.  
 XX  
 PF 29-AUG-2002; 2002US-00232233.  
 XX  
 PR 25-JUL-2000; 2000US-0220605P.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 29-JUN-2001; 2001WO-US021065.  
 PR 09-APR-2002; 2002US-00119480.  
 XX  
 XX (GETH ) GENENTECH INC.  
 XX  
 XX Baker KF, Desnoyers L, Gerritsen ME, Goddard A, Godowski FU;  
 PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
 XX  
 XX WPI: 2003-801157/75.  
 DR N-PSDB; ADC47492.  
 XX  
 XX New PRO polypeptide for use as molecular weight markers for protein  
 PT electrophoresis purposes and for detecting the presence of tumor in a  
 PT mammal.  
 XX  
 XX Claim 11; Fig 166; 314pp; English.  
 PS  
 XX The invention describes an isolated PRO (secreted and transmembrane)  
 CC polypeptide (I). PRO382, PRO1186, PRO1187 or PRO1329 polypeptide are  
 CC useful for stimulating the proliferation of or gene expression in

CC pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful  
 CC for stimulating the proliferation or differentiation of chondrocyte  
 CC cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide  
 CC are useful for stimulating the release of tumour necrosis factor (TNF)-  
 CC alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,  
 CC PRO247, PRO337, PRO226, PRO363, PRO331, PRO1083, PRO840, PRO1080,  
 CC PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,  
 CC PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1412,  
 CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1279, PRO1340, PRO1338,  
 CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,  
 CC PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,  
 CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for  
 CC stimulating the proliferation of normal human dermal fibroblasts cells.  
 CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,  
 CC PRO372, PRO5725, PRO7154, or PRO7425 polypeptide are useful for  
 CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
 CC polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,  
 CC are useful for detecting the presence of tumour in a mammal which  
 CC involves comparing the level of expression of the above PRO polypeptides  
 CC in a test sample of cells taken from the mammal, and a control sample of  
 CC normal cells of the same cell type, where a higher level of expression of  
 CC the PRO polypeptides in the test sample as compared to the control sample  
 CC is indicative of the presence of tumour in the mammal. The tumour is lung  
 CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. (I) is useful as molecular weight markers, for tissue  
 CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is  
 CC useful for chromosome and gene mapping or gene therapy. (II) is useful  
 CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.

XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLMCTPLGRGEGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLMCTPLGRGEGEC 60  
 QY 61 HPGSHKVPFFPRKXKHTCPCLENNLLCSRFPPDGRYRCSMDLKNINF 105  
 DB 61 HPGSHKVPFFPRKXKHTCPCLENNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 163  
 ADC53044  
 ID ADC53044 standard; protein; 105 AA.  
 XX  
 AC ADC53044;  
 XX  
 DT 18-DEC-2003 (first entry)  
 XX  
 DE Novel human secreted and transmembrane protein Seq ID470.  
 XX  
 XX human; PRO; membrane bound protein; membrane bound receptor;  
 KW cell proliferation; cell migration; cell differentiation;  
 KW mitogenic factor; survival factor; cytotoxic factor;  
 KW differentiation factor; neuropeptide; hormone; cell receptor;  
 KW receptor-ligand interaction; cytostatic; chondrocyte; tumour.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003087365-A1.  
 XX  
 XX 08-MAY-2003.  
 XX  
 XX 23-APR-2002; 2002US-00128689.  
 XX  
 XX 31-MAR-1997; 97WO-US005230.  
 PR

PR	12-JUN-1998;	98WO-US0124545
PR	14-JUL-1998;	98WO-US0145552
PR	28-AUG-1998;	98WO-US0178888
PR	10-SEP-1998;	98WO-US0188924
PR	14-SEP-1998;	98WO-US0190923
PR	14-SEP-1998;	98WO-US019094
PR	14-SEP-1998;	98WO-US0191777
PR	16-SEP-1998;	98WO-US0193330
PR	17-SEP-1998;	98WO-US0194337
PR	17-OCT-1998;	98WO-US0211441
PR	29-OCT-1998;	98WO-US022991
PR	29-OCT-1998;	98WO-US022992
PR	20-NOV-1998;	98WO-US0248555
PR	01-DEC-1998;	98WO-US025108
PR	05-JAN-1999;	98WO-US025106
PR	08-MAR-1999;	98WO-US0050208
PR	10-MAR-1999;	98WO-US0050190
PR	10-MAR-1999;	2000WO-US006319
PR	20-APR-1999;	98WO-US0008615
PR	14-MAY-1999;	98WO-US0107733
PR	02-JUN-1999;	98WO-US0122552
PR	01-SEP-1999;	98WO-US0201111
PR	08-SEP-1999;	98WO-US0205994
PR	13-SEP-1999;	98WO-US0209944
PR	15-SEP-1999;	98WO-US021090
PR	15-SEP-1999;	98WO-US021547
PR	29-OCT-1999;	98WO-US023089
PR	29-NOV-1999;	98WO-US028214
PR	30-NOV-1999;	98WO-US028313
PR	30-NOV-1999;	98WO-US028409
PR	01-DEC-1999;	98WO-US028301
PR	01-DEC-1999;	98WO-US028634
PR	02-DEC-1999;	98WO-US028551
PR	02-DEC-1999;	98WO-US028564
PR	02-DEC-1999;	98WO-US028565
PR	16-DEC-1999;	98WO-US030095
PR	20-DEC-1999;	98WO-US030911
PR	20-DEC-1999;	98WO-US030999
PR	22-DEC-1999;	98WO-US0312720
PR	30-DEC-1999;	98WO-US031243
PR	03-JAN-2000;	98WO-US031274
PR	05-JAN-2000;	2000WO-US000219
PR	05-JAN-2000;	2000WO-US000217
PR	08-JAN-2000;	2000WO-US000376
PR	11-FEB-2000;	2000WO-US003565
PR	18-FEB-2000;	2000WO-US004341
PR	18-FEB-2000;	2000WO-US004342
PR	24-FEB-2000;	2000WO-US004414
PR	24-FEB-2000;	2000WO-US004914
PR	24-FEB-2000;	2000WO-US005004
PR	01-MAR-2000;	2000WO-US005601
PR	01-MAR-2000;	2000WO-US005746
PR	02-MAR-2000;	2000WO-US005841
PR	15-MAR-2000;	2000WO-US006884
PR	20-MAR-2000;	2000WO-US007377
PR	21-MAR-2000;	2000WO-US007532
PR	30-MAR-2000;	2000WO-US008439
PR	17-MAY-2000;	2000WO-US013705
PR	22-MAY-2000;	2000WO-US013705
PR	30-MAY-2000;	2000WO-US014941
PR	02-JUN-2000;	2000WO-US015264
PR	28-JUL-2000;	2000WO-US020710
PR	11-AUG-2000;	2000WO-US020331
PR	23-AUG-2000;	2000WO-US023522
PR	24-AUG-2000;	2000WO-US023328
PR	08-NOV-2000;	2000WO-US030952
PR	10-NOV-2000;	2000WO-US030952
PR	01-DEC-2000;	2000WO-US032678
PR	20-DEC-2000;	2000US-00747259
PR	28-FEB-2001;	2000WO-US034956
PR	28-FEB-2001;	2001WO-US006520
PR	01-MAR-2001;	2001WO-US006656

09-MAR-2001;	2001US-00802706.
14-MAR-2001;	2001US-00803689.
22-MAR-2001;	2001US-00815744.
05-APR-2001;	2001US-00828366.
10-MAY-2001;	2001US-00854208.
10-MAY-2001;	2001US-00854280.
18-MAY-2001;	2001US-00860216.
25-MAY-2001;	2001US-00866028.
25-MAY-2001;	2001US-00865034.
25-MAY-2001;	2001WO-US017092.
01-JUN-2001;	2001US-00872035.
01-JUN-2001;	2001US-00872051.
05-JUN-2001;	2001WO-US017800.
14-JUN-2001;	2001US-00874503.
19-JUN-2001;	2001US-00882632.
20-JUN-2001;	2001US-00883646.
21-JUN-2001;	2001WO-US015692.
22-JUN-2001;	2001US-00887079.
29-JUN-2001;	2001WO-US020171.
09-JUL-2001;	2001WO-US021066.
18-JUL-2001;	2001US-00901882.
06-AUG-2001;	2001US-00924415.
09-AUG-2001;	2001US-00927796.
16-AUG-2001;	2001US-00931836.
19-DEC-2001;	2001US-00938072.

(GETH ) GENENTECH INC.

Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
Gerritsen ME, Goddard A, Godwoski PJ, Gurney AL, Sherwood S;  
Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-801150/75.  
N-PSDB; ADC53043.

New PRO nucleic acid, useful for manufacturing a medicament for diagnosing or treating tumor.

Claim 1; SEQ ID NO 470; 637pp; English.

This invention relates to novel nucleic acids encoding human PRO secreted and transmembrane proteins. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells (for example proliferation, migration or differentiation) is typically governed by information received from other cells and the immediate environment. The information is often transmitted by secreted polypeptides (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins. These membrane bound proteins and receptors may be of use as pharmaceutical and diagnostic agents, such as in the blocking of receptor-ligand interactions. The current invention provides the amino acid sequences of novel human membrane bound receptors and proteins, along with the cDNA sequences encoding them. The novel proteins of the invention may have cytostatic activities through the stimulation of chondrocytes. The nucleic acids of the invention may be useful for the manufacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measuring or detecting the expression of a tumour associated gene. The present sequence is the amino acid sequence of a human PRO protein of the invention.

Sequence 105 AA;

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Query Match      100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVOCGAGTCCAISLWLRGLRMCTPLGREGEEC 60

Db

1 MRGATRVSIMLLLVTVSDCAVITGACERDVOCGAGTCCAI<sup>SL</sup>WLRLGLRMCTPLGREGEEC 60

QY 2 61 HPGSHKVPFFRKRKHHTCPLPNNLLCSRFPDGRYRCSDLKNINF 105





PR 01-DEC-1999; 99WO-US028301.  
 PR 01-DEC-1999; 99WO-US028634.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 02-DEC-1999; 99WO-US028564.  
 PR 02-DEC-1999; 99WO-US028565.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 20-DEC-1999; 99WO-US030999.  
 PR 22-DEC-1999; 99WO-US030720.  
 PR 22-DEC-1999; 99WO-US031243.  
 PR 30-DEC-1999; 99WO-US031274.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000277.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 02-MAR-2000; 2000WO-US005746.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.  
 PR 21-MAR-2000; 2000WO-US007532.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 28-JUL-2000; 2000WO-US020710.  
 PR 11-AUG-2000; 2000WO-US022031.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 20-DEC-2000; 2000US-00747259.  
 PR 20-DEC-2000; 2000WO-US034956.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00808689.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854208.  
 PR 10-MAY-2001; 2001US-00854280.  
 PR 18-MAY-2001; 2001US-00860216.  
 PR 25-MAY-2001; 2001US-00866028.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001WO-US017092.  
 PR 01-JUN-2001; 2001US-00872035.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 05-JUN-2001; 2001US-00874503.  
 PR 14-JUN-2001; 2001US-00882636.  
 PR 19-JUN-2001; 2001US-00886342.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 21-JUN-2001; 2001US-00887879.  
 PR 22-JUN-2001; 2001WO-US020116.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 18-JUL-2001; 2001US-00908827.  
 PR 06-AUG-2001; 2001US-00924419.  
 PR 09-AUG-2001; 2001US-00927796.  
 PR 16-AUG-2001; 2001US-00931836.  
 PR 19-DEC-2001; 2001US-00028072.  
 (GETH ) GENENTECH INC.  
 Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI: 2003-801152/75.  
 DR N-PSDB; ADC60588.  
 XX  
 XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide  
 PT and for manufacturing a medicament for diagnosing or treating tumor.  
 PT  
 XX  
 XX Claim 12; Fig 470; 638pp; English.  
 PS  
 PS The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumor necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte  
 CC cells, for stimulating differentiation of adipocyte cells, for  
 CC stimulating proliferation of or gene expression in pericyte cells, for  
 CC simulating the proliferation of inner ear utricular supporting cells or  
 CC treating various cells, for inducing endothelial cell tube formation and for  
 CC treating various bone and/or cartilage disorders such as sports injuries  
 CC and arthritis. PRO polypeptides which stimulate the release of  
 CC proteoglycans from cartilage are useful for treating sports-related joint  
 CC problems, articular cartilage defects, osteoarthritis and rheumatoid  
 CC arthritis. PRO polypeptides are also useful for treating various  
 CC mammalian haemoglobin-associated disorders such as various thalassaemias  
 CC and conditions which may benefit from enhanced local immune system cell  
 CC infiltration. This sequence represents a human PRO polypeptide of the  
 CC invention. Note: The sequence data for this patent is also available in  
 CC electronic format from USPTO at seqdata.uspto.gov/sequence.html.  
 XX  
 XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTVSCAVITGACERDVCGAGTCCCAISILWRLGRLMCTPLGREGEC 60  
 DB 1 MEGATRVSIMLLLVTVSCAVITGACERDVCGAGTCCCAISILWRLGRLMCTPLGREGEC 60  
 QY 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105

## RESULT 166

ADCS1064  
 ID ADCS1064 standard; protein; 105 AA.

XX  
 AC ADCS1064;

XX  
 DT 18-DEC-2003 (first entry)

XX  
 DE Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; PRO; secreted polypeptide;  
 KW transmembrane polypeptide; tumour necrosis factor-alpha; TNF-alpha;  
 KW chondrocyte; tumour; cancer; adrenal; lung; colon; breast; prostate;  
 KW rectum; kidney; cervix; liver; microvascular endothelial cell;

KW Glucose uptake modulator; FFA uptake modulator; cell proliferation;  
KW cell differentiation; skeletal muscle cell; adipocyte cell;  
KW pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;  
KW endothelial cell tube formation; bone disorder; cartilage disorder;  
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
KW rheumatoid arthritis; haemoglobin-associated disorder; thalassaemia;  
KW immune system cell infiltration; chromosome mapping; gene mapping;  
KW gene therapy; chromosome identification; chromosome marker.  
XX  
OS Homo sapiens.  
XX  
XX US2003087361-A1.  
XX  
XX 08-MAY-2003.  
XX  
XX 22-APR-2002; 2002US-00127841.  
XX  
XX 09-SEP-1998; 98US-0099536P.  
XX 01-SEP-1999; 99WO-US020111.  
XX 18-OCT-1999; 99US-00403297.  
XX 18-FEB-2000; 2000WO-US004342.  
XX 01-DEC-2000; 2000WO-US032678.  
XX 19-DEC-2001; 2001US-00028072.  
XX  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski FJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
XX WPI; 2003-801146/75.  
XX N-PSDB; ADC51063.  
XX  
XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide  
XX and for manufacturing a medicament for diagnosing or treating tumor.  
XX  
XX Claim 12; Fig 470; 637pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are  
XX useful in the development and screening of therapeutically useful  
XX reagents. The PRO polypeptides or antibodies are used in preparing a  
XX medicament for treating a condition responsive to the polypeptides or  
XX antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX of human microvascular endothelial cells, for modulating the uptake of  
XX glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte  
XX cells, for stimulating differentiation of adipocyte cells, for  
XX stimulating proliferation of or gene expression in pericyte cells, for  
XX stimulating the proliferation of inner ear utricular supporting cells or  
XX T-lymphocyte cells, for inducing endothelial cell tube formation and for  
XX treating various bone and/or cartilage disorders such as sports injuries  
XX and arthritis. PRO polypeptides which stimulate the release of  
XX proteoglycans from cartilage are useful for treating sports-related joint  
XX problems, articular cartilage defects, osteoarthritis and rheumatoid  
XX arthritis. PRO polypeptides are also useful for treating various  
XX mammalian haemoglobin-associated disorders such as various thalassaemias  
XX and conditions which may benefit from enhanced local immune system cell  
XX infiltration. This sequence represents a human PRO polypeptide of the  
XX invention. Note: The sequence data for this patent is also available in  
XX electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
XX  
XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MGRATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGEEC 60  
DB 1 MGRATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGEEC 60  
QY 61 HPGSHKVPFFFRKXKHTCPCLPCLNLLCSRFDPGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFFRKXKHTCPCLPCLNLLCSRFDPGRYRCMDLKNINF 105  
RESULT 167  
ADC65591  
ID ADC65591 standard; protein; 105 AA.  
XX  
XX AC ADC65591;  
XX 18-DEC-2003 (first entry)  
XX Human PRO polypeptide #235.  
XX  
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
XX tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
XX cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
XX liver; microvascular endothelial cell; glucose; FFA;  
XX skeletal muscle cell; adipocyte cell; pericyte cell;  
XX inner ear utricular supporting cell; T-lymphocyte cell;  
XX endothelial cell tube formation; bone disorder; cartilage disorder;  
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
XX rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
XX immune system cell infiltration.  
XX  
XX Homo sapiens.  
XX  
XX OS  
XX US2003087362-A1.  
XX  
XX 08-MAY-2003.  
XX  
XX 22-APR-2002; 2002US-00127844.  
XX  
XX PF  
XX 05-JUN-2000; 2000US-0209832P.  
XX 01-DEC-2000; 2000WO-US032678.  
XX 19-DEC-2001; 2001US-00028072.  
XX  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski FJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
XX WPI; 2003-801147/75.  
XX N-PSDB; ADC65590.  
XX  
XX New PRO nucleic acid, useful for manufacturing a medicament for  
XX diagnosing or treating tumor.  
XX  
XX Claim 12; Fig 470; 637pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are  
XX useful in the development and screening of therapeutically useful  
XX reagents. The PRO polypeptides or antibodies are used in preparing a  
XX medicament for treating a condition responsive to the polypeptides or  
XX antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX of human microvascular endothelial cells, for modulating the uptake of  
XX glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte  
XX cells, for stimulating differentiation of adipocyte cells, for  
XX stimulating proliferation of or gene expression in pericyte cells, for  
XX stimulating the proliferation of inner ear utricular supporting cells or  
XX T-lymphocyte cells, for inducing endothelial cell tube formation and for  
XX treating various bone and/or cartilage disorders such as sports injuries  
XX and arthritis. PRO polypeptides which stimulate the release of  
XX proteoglycans from cartilage are useful for treating sports-related joint  
XX problems, articular cartilage defects, osteoarthritis and rheumatoid  
XX arthritis. PRO polypeptides are also useful for treating various  
XX mammalian haemoglobin-associated disorders such as various thalassaemias  
XX and conditions which may benefit from enhanced local immune system cell  
XX infiltration. This sequence represents a human PRO polypeptide of the  
XX invention. Note: The sequence data for this patent is also available in  
XX electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
XX  
XX Sequence 105 AA;



CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
CC stimulating differentiation of adipocyte cells, for stimulating  
CC proliferation of or gene expression in pericyte cells, for stimulating  
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
CC cells, for inducing endothelial cell tube formation and for treating  
CC various bone and/or cartilage disorders such as sports injuries and  
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
CC from cartilage are useful for treating sports-related joint problems,  
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis, PRO  
CC polypeptides are also useful for treating various mammalian haemoglobin-  
CC associated disorders such as various thalassemias and conditions which  
CC may benefit from enhanced local immune system cell infiltration. This  
CC sequence represents a human PRO polypeptide of the invention. Note: The  
CC sequence data for this patent is also available in electronic format from  
CC USPTO at [segdata.uspto.gov/sequence.html](http://segdata.uspto.gov/sequence.html).  
XX

XX SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
DB 1 MEGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRRKHHTCTCPLNLLCSRPDPGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKHHTCTCPLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 168  
ADCS4689  
ID ADCS4689 standard; protein; 105 AA.  
XX AC ADCS4689;  
XX DT 18-DEC-2003 (first entry)  
XX DE Novel human secreted and transmembrane protein Seq ID470.

XX human; PRO; membrane bound protein; membrane bound receptor;  
XX cell proliferation; cell migration; cell differentiation;  
XX mitogenic factor; survival factor; cytotoxic factor;  
XX differentiation factor; neuropeptide; hormone; cell receptor;  
XX receptor-ligand interaction; cytostatic; chondrocyte; tumour.  
XX Homo sapiens.  
XX OS  
XX PN US2003087363-A1.  
XX PD 08-MAY-2003.  
XX PF 23-APR-2002; 2002US-00128687.  
XX PR 10-SEP-1998; 98US-0099816P.  
XX PR 01-SEP-1999; 99WO-US020111.  
XX PR 18-OCT-1999; 99US-00403297.  
XX PR 18-FEB-2000; 2000WO-US004342.  
XX PR 01-DEC-2000; 2000WO-US032678.  
XX PR 19-DEC-2001; 2001US-00028072.

XX FA (GETH ) GENENTECH INC.  
XX PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX PI Smith V, Stewart TA, Tunas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-801148/75.  
DR N-PSDB; ADC54688.  
XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide  
PT and for manufacturing a medicament for diagnosing or treating tumor.  
XX Claim 1; SEQ ID NO 470; 637pp; English.  
XX This invention relates to novel nucleic acids encoding human PRO secreted  
CC and transmembrane proteins. Extracellular proteins play important roles  
CC in the formation, differentiation and maintenance of multicellular  
CC organisms. The fate of many individual cells (for example proliferation,  
CC migration or differentiation) is typically governed by information  
CC received from other cells and the immediate environment. The information  
CC is often transmitted by secreted polypeptides (for example mitogenic  
CC factors, survival factors, cytotoxic factors, differentiation factors,  
CC neuropeptides and hormones) which are received and interpreted by diverse  
CC cell receptors or membrane bound proteins. These membrane bound proteins  
CC and receptors may be of use as pharmaceutical and diagnostic agents, such  
CC as in the blocking of receptor-ligand interactions. The current invention  
CC provides the amino acid sequences of novel human membrane bound receptors  
CC and proteins, along with the cDNA sequences encoding them. The novel  
CC proteins of the invention may have cytosolic activities through the  
CC stimulation of chondrocytes. The nucleic acids of the invention may be  
CC useful for the manufacture of a medicament for diagnosing or treating a  
CC tumour in a mammal. In addition, they may be useful for measuring or  
CC detecting the expression of a tumour associated gene. The present  
CC sequence is the amino acid sequence of a human PRO protein of the  
CC invention.  
XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
DB 1 MEGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRRKHHTCTCPLNLLCSRPDPGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKHHTCTCPLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 169  
ADCS3650  
ID ADCS3650 standard; protein; 105 AA.  
XX AC ADCS3650;  
XX DT 18-DEC-2003 (first entry)  
XX DE Novel human secreted and transmembrane protein Seq ID470.  
XX human; PRO; membrane bound protein; membrane bound receptor;  
XX cell proliferation; cell migration; cell differentiation;  
XX mitogenic factor; survival factor; cytotoxic factor;  
XX differentiation factor; neuropeptide; hormone; cell receptor;  
XX receptor-ligand interaction; cytostatic; chondrocyte; tumour.  
XX Homo sapiens.  
XX OS  
XX PN US2003087364-A1.  
XX PD 08-MAY-2003.  
XX PF 23-APR-2002; 2002US-00128688.  
XX PR 09-FEB-1999; 99US-0119341P.  
XX PR 01-DEC-1999; 99WO-US028634.  
XX PR 01-DEC-2000; 2000WO-US032678.

```

PR 19-DEC-2001; 2001US-00028072.
XX (GETH ) GENENTECH INC.
PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
XX Geritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-801149/75.
DR N-PSDB; ADCS3649.
XX
PT New PRO nucleic acid, useful for manufacturing a medicament for
PT diagnosing or treating tumor.
XX
PS Claim 1; SEQ ID NO 470; 637pp; English.
XX
CC This invention relates to novel nucleic acids encoding human PRO secreted
CC and transmembrane proteins. Extracellular proteins play important roles
CC in the formation, differentiation and maintenance of multicellular
CC organisms. The fate of many individual cells (for example proliferation,
CC migration or differentiation) is typically governed by information
CC received from other cells and the immediate environment. The information
CC is often transmitted by secreted polypeptides (for example mitogenic
CC factors, survival factors, cytotoxic factors, differentiation factors,
CC neurotrophins or hormones) which are received and interpreted by diverse
CC cell receptors or membrane bound proteins. These membrane bound proteins
CC as in the blocking of receptor-ligand interactions. The current invention
CC provides the amino acid sequences of novel human membrane bound receptors
CC and proteins, along with the cDNA sequences encoding them. The novel
CC proteins of the invention may have cytostatic activities through the
CC stimulation of chondrocytes. The nucleic acids of the invention may be
CC useful for the manufacture of a medicament for diagnosing or treating a
CC tumour in a mammal. In addition, they may be useful for measuring or
CC detecting the expression of a tumour associated gene. The present
CC sequence is the amino acid sequence of a human PRO protein of the
XX invention.
XX
SQ Sequence 105 AA;
Query Match 100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60
DB 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60
QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSFPPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSFPPDGRYRCSMDLKNINF 105
RESULT 170
ADCS9173
ID ADCS9173 standard; protein; 105 AA.
XX
AC ADCS9173;
XX
DT 18-DEC-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein Seq ID470.
XX
KW human; PRO; membrane bound protein; membrane bound receptor;
XX cell proliferation; cell migration; cell differentiation;
XX mitogenic factor; survival factor; cytotoxic factor;
XX differentiation factor; neurotrophin; hormone; cell receptor;
XX receptor-ligand interaction; cytostatic; chondrocyte; tumour.
XX
OS Homo sapiens.
XX
FN US2003087359-A1.
XX

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KW cell proliferation; cell migration; cell differentiation;  
KW mitogenic factor; survival factor; cytotoxic factor;  
KW differentiation factor; neuroepithelial; hormone; cell receptor;  
KW receptor-ligand interaction; cytoskeletal; chondrocyte; tumour.

OS Homo sapiens.

XX US2003087360-A1.

XX 08-MAY-2003.

XX 22-APR-2002; 2002US-00127836.

XX 17-NOV-1998; 98US-0108802P.

XX 01-SEP-1999; 99WO-US0202011.

XX 18-OCT-1999; 99US-00403297.

XX 18-FEB-2000; 2000WO-US004342.

XX 23-JUN-2000; 2000WO-US015264.

XX 02-AUG-2000; 2000WO-US023522.

XX 01-DEC-2000; 2000WO-US032678.

XX 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-801145/75.

XX N-PSDB; ADC56050.

XX New PRO nucleic acid, useful for manufacturing a medicament for  
XX diagnosing or treating tumor.

XX Claim 1; SEQ ID NO 470; 637pp; English.

XX This invention relates to novel nucleic acids encoding human PRO secreted  
XX and transmembrane proteins. Extracellular proteins play important roles  
XX in the formation, differentiation and maintenance of multicellular  
XX organisms. The fate of many individual cells (for example proliferation,  
XX migration or differentiation) is typically governed by information  
XX received from other cells and the immediate environment. The information  
XX is often transmitted by secreted polypeptides (for example mitogenic  
XX factors, survival factors, cytotoxic factors, differentiation factors,  
XX neurotrophins and hormones) which are received and interpreted by diverse  
XX cell receptors or membrane bound proteins. These membrane bound proteins  
XX and receptors may be of use as pharmaceutical and diagnostic agents, such  
XX as in the blocking of receptor-ligand interactions. The current invention  
XX provides the amino acid sequences of novel human membrane bound receptors  
XX and proteins, along with the cDNA sequences encoding them. The novel  
XX proteins of the invention may have cytoskeletal activities through the  
XX stimulation of chondrocytes. The nucleic acids of the invention may be  
XX useful for the manufacture of a medicament for diagnosing or treating a  
XX tumour in a mammal. In addition, they may be useful for measuring or  
XX detecting the expression of a tumour associated gene. The present  
XX sequence is the amino acid sequence of a human PRO protein of the  
XX invention.

XX Sequence 105 AA;

XX Query Match 100.0%; Score 589; DB 7; Length 105;

XX Best Local Similarity 100.0%; Pred. No. 2.5e-54;

XX Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60

DB 1 MRGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRRKHHTCPCLPNLLCSFRFPDGRYRCNSDLKNIINF 105

DB 61 HPGSHKVPFFRRKHHTCPCLPNLLCSFRFPDGRYRCNSDLKNIINF 105

RESULT 172

ADC58621

XX ADC58621 standard; protein; 105 AA.

XX AC ADC58621;

XX 18-DEC-2003 (first entry)

XX Novel human secreted and transmembrane protein Seq ID470.

XX human; PRO; membrane bound protein; membrane bound receptor;  
XX cell proliferation; cell migration; cell differentiation;  
XX mitogenic factor; survival factor; cytotoxic factor;  
XX differentiation factor; neuroepithelial; hormone; cell receptor;  
XX receptor-ligand interaction; cytoskeletal; chondrocyte; tumour.

OS Homo sapiens.

XX US2003087346-A1.

XX 08-MAY-2003.

XX 17-APR-2002; 2002US-00124815.

XX 09-DEC-1999; 99US-0170262P.

XX 01-DEC-2000; 2000WO-US032678.

XX 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-801137/75.

XX N-PSDB; ADC58620.

XX Isolated nucleic acid for use in industrial applications has at least 80  
XX percent nucleic acid sequence identity to nucleotide sequence that  
XX encodes amino acid sequence selected from amino acid sequence group.

XX Claim 1; SEQ ID NO 470; 637pp; English.

XX This invention relates to novel nucleic acids encoding human PRO secreted  
XX and transmembrane proteins. Extracellular proteins play important roles  
XX in the formation, differentiation and maintenance of multicellular  
XX organisms. The fate of many individual cells (for example proliferation,  
XX migration or differentiation) is typically governed by information  
XX received from other cells and the immediate environment. The information  
XX is often transmitted by secreted polypeptides (for example mitogenic  
XX factors, survival factors, cytotoxic factors, differentiation factors,  
XX neurotrophins and hormones) which are received and interpreted by diverse  
XX cell receptors or membrane bound proteins. These membrane bound proteins  
XX and receptors may be of use as pharmaceutical and diagnostic agents, such  
XX as in the blocking of receptor-ligand interactions. The current invention  
XX provides the amino acid sequences of novel human membrane bound receptors  
XX and proteins, along with the cDNA sequences encoding them. The novel  
XX proteins of the invention may have cytoskeletal activities through the  
XX stimulation of chondrocytes. The nucleic acids of the invention may be  
XX useful for the manufacture of a medicament for diagnosing or treating a  
XX tumour in a mammal. In addition, they may be useful for measuring or  
XX detecting the expression of a tumour associated gene. The present  
XX sequence is the amino acid sequence of a human PRO protein of the  
XX invention.

XX Sequence 105 AA;

XX Query Match 100.0%; Score 589; DB 7; Length 105;

XX Best Local Similarity 100.0%; Pred. No. 2.5e-54;

XX Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60

Db 1 MRGATRVSIMLLLVTSVDCAVITGACERDVOCAGTCCATSLMLRGLRMTCTPLGREGEC 60

QY 61 HPGSHKVPFFRKRKHTCCPLNLLCSRFDPGRYRCSMDLKNINF 105  
|||||

Db 61 HPGSHKVPFFRKRKHTCCPLNLLCSRFDPGRYRCSMDLKNINF 105  
|||||

RESULT 173

ADCl4671

ID ADCl4671 standard; protein; 105 AA.

XX AC ADCl4671;

XX 18-DEC-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO1186.

XX human; secreted and transmembrane protein; PRO; nootropic;  
KW neuroprotective; antiparkinsonian; cytostatic; gene therapy;  
KW chromosome mapping; gene mapping; transgenic animal; knock-out animal;  
KW neurodegenerative disorder; Parkinson's disease; Alzheimer's disease.

XX OS Homo sapiens.

XX PN US2003082546-A1.

XX PD 01-MAY-2003.

XX 28-AUG-2001; 2001US-00941992.

XX 06-NOV-1996; 96US-00743698.

PR 16-JUN-1997; 97US-0049787P.

PR 16-JUN-1997; 97US-00876698.

PR 17-OCT-1997; 97US-0062250P.

PR 05-NOV-1997; 97US-00965056.

PR 05-NOV-1997; 97WO-US020069.

PR 12-NOV-1997; 97US-0065186P.

PR 13-NOV-1997; 97US-0085311P.

PR 24-NOV-1997; 97US-0086770P.

PR 25-FEB-1998; 98US-0075945P.

PR 20-MAR-1998; 98US-0078910P.

PR 28-APR-1998; 98US-0083322P.

PR 07-MAY-1998; 98US-0084600P.

PR 28-MAY-1998; 98US-0087106P.

PR 02-JUN-1998; 98US-0087607P.

PR 02-JUN-1998; 98US-0087609P.

PR 02-JUN-1998; 98US-0087759P.

PR 03-JUN-1998; 98US-0087827P.

PR 04-JUN-1998; 98US-0088021P.

PR 04-JUN-1998; 98US-0088025P.

PR 04-JUN-1998; 98US-0088026P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088029P.

PR 04-JUN-1998; 98US-0088030P.

PR 04-JUN-1998; 98US-0088033P.

PR 04-JUN-1998; 98US-0088326P.

PR 05-JUN-1998; 98US-0088167P.

PR 05-JUN-1998; 98US-0088202P.

PR 05-JUN-1998; 98US-0088212P.

PR 05-JUN-1998; 98US-0088217P.

PR 09-JUN-1998; 98US-0088655P.

PR 10-JUN-1998; 98US-0088734P.

PR 10-JUN-1998; 98US-0088738P.

PR 10-JUN-1998; 98US-0088742P.

PR 10-JUN-1998; 98US-0088810P.

PR 10-JUN-1998; 98US-0088824P.

PR 10-JUN-1998; 98US-0088826P.

PR 11-JUN-1998; 98US-0088858P.

PR 11-JUN-1998; 98US-0088861P.

PR 11-JUN-1998; 98US-0088876P.

PR 12-JUN-1998; 98US-0089105P.

PR 16-JUN-1998; 98US-0089440P.

PR 16-JUN-1998; 98US-0089512P.

PR 16-JUN-1998; 98US-0089514P.

PR 17-JUN-1998; 98US-0089523P.

PR 17-JUN-1998; 98US-0089531P.

PR 17-JUN-1998; 98US-0089538P.

PR 17-JUN-1998; 98US-0089598P.

PR 17-JUN-1998; 98US-0089599P.

PR 17-JUN-1998; 98US-0089600P.

PR 17-JUN-1998; 98US-0089653P.

PR 18-JUN-1998; 98US-0089801P.

PR 18-JUN-1998; 98US-0089907P.

PR 18-JUN-1998; 98US-0089908P.

PR 19-JUN-1998; 98US-0089947P.

PR 19-JUN-1998; 98US-0089948P.

PR 19-JUN-1998; 98US-0089952P.

PR 22-JUN-1998; 98US-0090246P.

PR 22-JUN-1998; 98US-0090252P.

PR 22-JUN-1998; 98US-0090254P.

PR 23-JUN-1998; 98US-0090349P.

PR 23-JUN-1998; 98US-0090355P.

PR 24-JUN-1998; 98US-0090429P.

PR 24-JUN-1998; 98US-0090431P.

PR 24-JUN-1998; 98US-0090435P.

PR 24-JUN-1998; 98US-0090444P.

PR 24-JUN-1998; 98US-0090445P.

PR 24-JUN-1998; 98US-0090472P.

PR 24-JUN-1998; 98US-0090535P.

PR 24-JUN-1998; 98US-0090540P.

PR 24-JUN-1998; 98US-0090542P.

PR 25-JUN-1998; 98US-0090557P.

PR 25-JUN-1998; 98US-0090676P.

PR 25-JUN-1998; 98US-0090678P.

PR 25-JUN-1998; 98US-0090690P.

PR 25-JUN-1998; 98US-0090694P.

PR 25-JUN-1998; 98US-0090695P.

PR 25-JUN-1998; 98US-0090696P.

PR 26-JUN-1998; 98US-00105413.

PR 26-JUN-1998; 98US-0090862P.

PR 26-JUN-1998; 98US-0090863P.

PR 01-JUL-1998; 98US-0091360P.

PR 01-JUL-1998; 98US-0091544P.

PR 02-JUL-1998; 98US-0091478P.

PR 02-JUL-1998; 98US-0091519P.

PR 02-JUL-1998; 98US-0091626P.

PR 02-JUL-1998; 98US-0091628P.

PR 02-JUL-1998; 98US-0091632P.

PR 02-JUL-1998; 98US-0091646P.

PR 02-JUL-1998; 98US-0091673P.

PR 07-JUL-1998; 98US-0091978P.

PR 09-JUL-1998; 98US-0091982P.

PR 09-JUL-1998; 98US-0092182P.

PR 10-JUL-1998; 98US-0092472P.

PR 20-JUL-1998; 98US-0093339P.

PR 30-JUL-1998; 98US-0094651P.

PR 04-AUG-1998; 98US-0095282P.

PR 04-AUG-1998; 98US-0095285P.

PR 04-AUG-1998; 98US-0095301P.

PR 04-AUG-1998; 98US-0095302P.

PR 04-AUG-1998; 98US-0095318P.

PR 04-AUG-1998; 98US-0095321P.

PR 04-AUG-1998; 98US-0095345P.

PR 10-AUG-1998; 98US-0095916P.

PR 10-AUG-1998; 98US-0095929P.

PR 10-AUG-1998; 98US-0096012P.

PR 11-AUG-1998; 98US-0096143P.

PR 11-AUG-1998; 98US-0096146P.

PR 12-AUG-1998; 98US-0096238P.

PR 17-AUG-1998; 98US-0096757P.

PR 17-AUG-1998; 98US-0096766P.

PR 17-AUG-1998; 98US-0096768P.

PR 17-AUG-1998; 98US-0096773P.

PR 17-AUG-1998; 98US-0096779P.

PR 17-AUG-1998; 98US-0096867P.

PR 17-AUG-1998; 98US-0096891P.

PR 17-AUG-1998; 98US-0096894P.



CC in a test sample of cells taken from the mammal, and a control sample of  
 CC normal cells of the same cell type, where a higher level of expression of  
 CC the PRO polypeptides in the test sample as compared to the control sample  
 CC is indicative of the presence of tumour in the mammal. The tumour is lung  
 CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. (I) is useful as molecular weight markers, for tissue  
 CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is  
 CC useful for chromosome and gene mapping or gene therapy. (II) is useful  
 CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCALSILWLRGLRMCTPLGREGEEC 60  
 DQ |||||||  
 Db 1 MEGATRVSMILLVTVSDCAVITGACERDVCGAGTCCALSILWLRGLRMCTPLGREGEEC 60  
 QY 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRFDPGRVRCSDMLKNINF 105  
 DQ |||||||  
 Db 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRFDPGRVRCSDMLKNINF 105

RESULT 175

AD08203  
 ID AD08203 standard; protein; 105 AA.

XX AC AD08203;

XX DT 01-JAN-2004 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1186.

XX KW Human; secreted protein; transmembrane protein; PRO;  
 KW neonatal heart hypertrophy; angiogenesis;  
 KW vascular endothelial growth factor; VEGF-stimulated proliferation;  
 KW endothelial cell; T-lymphocyte proliferation; retinal neuron;  
 KW rod photoreceptor cell; c-fos induction; adipocyte;  
 KW chondrocyte differentiation; cancer; tumour; colon cancer; lung cancer;  
 KW breast cancer; pancreatic beta-cell precursor cell; pancreatic beta-cell;  
 KW insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;  
 KW thalassemia; endothelial cell growth; cancer; cystic renal dysplasia;  
 KW polycystic kidney disease; renal tumour; neurodegenerative disorder;  
 KW Parkinson's disease; Alzheimer's disease; gene therapy;  
 KW chromosome mapping; gene mapping; transgenic animal; knock-out animal;  
 KW antidiabetic; antinaemic; cyostatic; nootropic; neuroprotective;  
 KW antiparkinsonian.

XX OS Homo sapiens.

XX PN US2003068623-A1.

XX PD 10-APR-2003.

XX PF 14-NOV-2001; 2001US-00993469.

XX PR 16-JUN-1997; 97US-0049787P.

XX PR 17-OCT-1997; 97US-0062250P.

XX PR 05-NOV-1997; 97WO-US020069.

XX PR 12-NOV-1997; 97US-0065186P.

XX PR 13-NOV-1997; 97US-0065311P.

XX PR 24-NOV-1997; 97US-0066770P.

XX PR 25-FEB-1998; 98US-0075945P.

XX PR 20-MAR-1998; 98US-0078910P.

XX PR 28-APR-1998; 98US-0083322P.

XX PR 07-MAY-1998; 98US-0084600P.

XX PR 28-MAY-1998; 98US-0087106P.

PR 02-JUN-1998; 98US-0087607P.  
 PR 02-JUN-1998; 98US-0087609P.  
 PR 02-JUN-1998; 98US-0087759P.  
 PR 03-JUN-1998; 98US-0087827P.  
 PR 04-JUN-1998; 98US-0088021P.  
 PR 04-JUN-1998; 98US-0088025P.  
 PR 04-JUN-1998; 98US-0088028P.  
 PR 04-JUN-1998; 98US-0088028P.  
 PR 04-JUN-1998; 98US-0088029P.  
 PR 04-JUN-1998; 98US-0088030P.  
 PR 04-JUN-1998; 98US-0088033P.  
 PR 04-JUN-1998; 98US-0088326P.  
 PR 05-JUN-1998; 98US-0088167P.  
 PR 05-JUN-1998; 98US-0088202P.  
 PR 05-JUN-1998; 98US-0088214P.  
 PR 05-JUN-1998; 98US-0088217P.  
 PR 09-JUN-1998; 98US-0088655P.  
 PR 10-JUN-1998; 98US-0088734P.  
 PR 10-JUN-1998; 98US-0088738P.  
 PR 10-JUN-1998; 98US-0088742P.  
 PR 10-JUN-1998; 98US-0088810P.  
 PR 10-JUN-1998; 98US-0088824P.  
 PR 10-JUN-1998; 98US-0088826P.  
 PR 11-JUN-1998; 98US-0088858P.  
 PR 11-JUN-1998; 98US-0088861P.  
 PR 11-JUN-1998; 98US-0088876P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 16-JUN-1998; 98US-0089440P.  
 PR 16-JUN-1998; 98US-0089512P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089532P.  
 PR 17-JUN-1998; 98US-0089538P.  
 PR 17-JUN-1998; 98US-0089598P.  
 PR 17-JUN-1998; 98US-0089599P.  
 PR 17-JUN-1998; 98US-0089600P.  
 PR 17-JUN-1998; 98US-0089653P.  
 PR 18-JUN-1998; 98US-0089801P.  
 PR 18-JUN-1998; 98US-0089907P.  
 PR 18-JUN-1998; 98US-0089908P.  
 PR 19-JUN-1998; 98US-0089947P.  
 PR 19-JUN-1998; 98US-0089948P.  
 PR 19-JUN-1998; 98US-0089952P.  
 PR 22-JUN-1998; 98US-0090246P.  
 PR 22-JUN-1998; 98US-0090252P.  
 PR 22-JUN-1998; 98US-0090254P.  
 PR 23-JUN-1998; 98US-0090349P.  
 PR 23-JUN-1998; 98US-0090355P.  
 PR 24-JUN-1998; 98US-0090429P.  
 PR 24-JUN-1998; 98US-0090431P.  
 PR 24-JUN-1998; 98US-0090435P.  
 PR 24-JUN-1998; 98US-0090444P.  
 PR 24-JUN-1998; 98US-0090445P.  
 PR 24-JUN-1998; 98US-0090472P.  
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 PR 24-JUN-1998; 98US-0090540P.  
 PR 24-JUN-1998; 98US-0090542P.  
 PR 24-JUN-1998; 98US-0090557P.  
 PR 25-JUN-1998; 98US-0090676P.  
 PR 25-JUN-1998; 98US-0090678P.  
 PR 25-JUN-1998; 98US-0090690P.  
 PR 25-JUN-1998; 98US-0090694P.  
 PR 25-JUN-1998; 98US-0090695P.  
 PR 25-JUN-1998; 98US-0090696P.  
 PR 26-JUN-1998; 98US-0090862P.  
 PR 26-JUN-1998; 98US-0090863P.  
 PR 01-JUL-1998; 98US-0091360P.  
 PR 01-JUL-1998; 98US-0091544P.  
 PR 02-JUL-1998; 98US-0091478P.  
 PR 02-JUL-1998; 98US-0091519P.  
 PR 02-JUL-1998; 98US-0091626P.  
 PR 02-JUL-1998; 98US-0091828P.  
 PR 02-JUL-1998; 98US-0091833P.  
 PR 02-JUL-1998; 98US-0091846P.

PR	02-JUL-1998;	98US-0091673P.
PR	07-JUL-1998;	98US-0091978P.
PR	07-JUL-1998;	98US-0091982P.
PR	09-JUL-1998;	98US-0092182P.
PR	10-JUL-1998;	98US-0092472P.
PR	20-JUL-1998;	98US-0093339P.
PR	30-JUL-1998;	98US-0094651P.
PR	04-AUG-1998;	98US-0095282P.
PR	04-AUG-1998;	98US-0095301P.
PR	04-AUG-1998;	98US-0095302P.
PR	04-AUG-1998;	98US-0095318P.
PR	04-AUG-1998;	98US-0095321P.
PR	04-AUG-1998;	98US-0095325P.
PR	10-AUG-1998;	98US-0095916P.
PR	10-AUG-1998;	98US-0095923P.
PR	11-AUG-1998;	98US-0096012P.
PR	11-AUG-1998;	98US-0096143P.
PR	12-AUG-1998;	98US-0096146P.
PR	17-AUG-1998;	98US-0096329P.
PR	17-AUG-1998;	98US-0096757P.
PR	17-AUG-1998;	98US-0096766P.
PR	17-AUG-1998;	98US-0096773P.
PR	17-AUG-1998;	98US-0096791P.
PR	17-AUG-1998;	98US-0096867P.
PR	17-AUG-1998;	98US-0096891P.
PR	17-AUG-1998;	98US-0096894P.
PR	17-AUG-1998;	98US-0096895P.
PR	17-AUG-1998;	98US-0096897P.
PR	18-AUG-1998;	98US-0096949P.
PR	18-AUG-1998;	98US-0096950P.
PR	18-AUG-1998;	98US-0096959P.
PR	18-AUG-1998;	98US-0096960P.
PR	18-AUG-1998;	98US-0097022P.
PR	19-AUG-1998;	98US-0097141P.
PR	20-AUG-1998;	98US-0097218P.
PR	24-AUG-1998;	98US-0097651P.
PR	26-AUG-1998;	98US-0097952P.
PR	26-AUG-1998;	98US-0097954P.
PR	26-AUG-1998;	98US-0097955P.
PR	26-AUG-1998;	98US-0097971P.
PR	26-AUG-1998;	98US-0097974P.
PR	26-AUG-1998;	98US-0097978P.
PR	26-AUG-1998;	98US-0097986P.
PR	26-AUG-1998;	98US-0098014P.
PR	31-AUG-1998;	98US-0098525P.
PR	16-SEP-1998;	98US-0100634P.
PR	16-SEP-1998;	98WO-US019330.
PR	17-SEP-1998;	98US-0100858P.
PR	17-SEP-1998;	98WO-US019437.
PR	07-OCT-1998;	98WO-US021141.
PR	22-DEC-1998;	98WO-US025108.
PR	05-JAN-1999;	99WO-US000106.
PR	12-MAR-1999;	99WO-US005028.
PR	02-JUN-1999;	99WO-US012352.
PR	23-JUN-1999;	99US-0141037P.
PR	20-JUL-1999;	99US-0143048P.
PR	20-JUL-1999;	99US-0144758P.
PR	26-JUL-1999;	99US-0145698P.
PR	28-JUL-1999;	99US-0146222P.
PR	15-SEP-1999;	99US-0149396P.
PR	15-SEP-1999;	99WO-US021090.
PR	08-OCT-1999;	99WO-US021547.
PR	30-NOV-1999;	99WO-US028313.
PR	01-DEC-1999;	99WO-US028301.
PR	01-DEC-1999;	99WO-US028634.
PR	16-DEC-1999;	99WO-US030035.
PR	20-DEC-1999;	99WO-US030911.
PR	05-JAN-2000;	200WO-US000219.
PR	06-JAN-2000;	200WO-US000376.
PR	11-FEB-2000;	200WO-US003565.
PR	18-FEB-2000;	200WO-US004341.
PR	22-FEB-2000;	200WO-US004414.
PR	24-FEB-2000;	200WO-US004914.
PR	24-FEB-2000;	200WO-US005004.
PR	02-MAR-2000;	200WO-US005841.
PR	10-MAR-2000;	200WO-US006319.
PR	15-MAR-2000;	200WO-US006884.
PR	20-MAR-2000;	200WO-US007377.
PR	30-MAR-2000;	200WO-US008439.
Query Match 100.0%; Score 589; DB 7; Length 105;		
Best Local Similarity 100.0%; Pred. No. 2.5e-54;		
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
QY	1	MEGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCCAISLWLRLGRLMCTPLRGEGEC 60
DB	1	MEGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCCAISLWLRLGRLMCTPLRGEGEC 60
QY	61	HGSHKVPFFFRKRKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105
DB	61	HGSHKVPFFFRKRKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105
RESULT 176		
ADD03295		
ID	ADD03295 standard; protein; 105 AA.	
XX		
AC	ADD03295;	
XX		
DT	01-JAN-2004 (first entry)	
XX		
DE	Novel human secreted and transmembrane protein PRO1186.	
XX		
KW	Human; secreted and transmembrane protein; PRO; secreted polypeptide;	
KW	transmembrane polypeptide; tumour necrosis factor-alpha; TNF-alpha;	
KW	chondrocyte; tumour; cancer; adrenal; lung; colon; breast; prostate;	
KW	rectum; kidney; cervix; liver; microvascular endothelial cell;	
KW	glucose uptake modulator; PFA uptake modulator; cell proliferation;	
KW	cell differentiation; skeletal muscle cell; adipocyte cell;	
KW	pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;	
KW	endothelial cell tube formation; bone disorder; cartilage defect; osteoarthritis;	
KW	sports injury; proteoglycan; articular cartilage defect; thalassemia;	
KW	rheumatoid arthritis; haemoglobin-associated disorder; gene mapping;	
KW	immune system cell infiltration; chromosome mapping; gene mapping;	
XX	Gene therapy; chromosome identification; chromosome marker.	
OS	Homo sapiens.	
XX		
PN	US2003092104-A1.	
XX		
PD	15-MAY-2003.	
XX		
PF	24-APR-2002; 2002US-00131817.	
XX		
XX	31-MAR-1997; 97WO-US005230.	
PR	12-JUN-1998; 98WO-US012456.	
PR	14-JUL-1998; 98WO-US014552.	
PR	28-AUG-1998; 98WO-US017888.	
PR	10-SEP-1998; 98WO-US018824.	
PR	14-SEP-1998; 98WO-US019093.	
PR	14-SEP-1998; 98WO-US019094.	
PR	16-SEP-1998; 98WO-US019177.	
PR	17-SEP-1998; 98WO-US019437.	
PR	07-OCT-1998; 98WO-US021141.	
PR	29-OCT-1998; 98WO-US022991.	
PR	29-OCT-1998; 98WO-US022992.	
PR	20-NOV-1998; 98WO-US024855.	
PR	01-DEC-1998; 98WO-US025108.	
PR	05-JAN-1999; 99WO-US000106.	

08-MAR-1999; 99WO-US005028.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 21-JUN-2001; 2001US-0087879.  
PR 22-JUN-2001; 2001WO-US020116.  
PR 23-JUN-2001; 2001WO-US020116.  
PR 09-JUL-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 18-JUL-2001; 2001US-00908827.  
PR 08-AUG-2001; 2001US-00924419.  
PR 09-AUG-2001; 2001US-00927796.  
PR 16-AUG-2001; 2001US-00931836.  
PR 19-DEC-2001; 2001US-00028072.  
XX (GETH ) GENENTECH INC.  
PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski P, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX WPI; 2003-801169/75.  
DR N-PSDB; ADD03294.  
XX New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or  
PT PRO4978, useful in molecular biology, chromosome and gene mapping, in  
PT generating antisense RNA and DNA, and in gene therapy.  
XX Claim 12; Fig 470; 638pp; English.  
XX The invention relates to isolated human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the polynucleotides encoding them. The  
CC invention also relates to an antibody which specifically binds to a PRO  
CC polypeptide, a method for stimulating the release of tumour necrosis  
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
CC proliferation or differentiation of chondrocyte cells and a method for  
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
CC polynucleotides are useful in molecular biology, including uses as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
CC be used in preparing PRO polypeptides by recombinant techniques and in  
CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte  
CC cells, for stimulating differentiation of adipocyte cells, for  
CC stimulating proliferation of or gene expression in pericyte cells, for  
CC stimulating the proliferation of inner ear utricular supporting cells or  
CC lymphocyte cells, for inducing endothelial cell tube formation and for  
CC treating various bone and/or cartilage disorders such as sports injuries  
CC and arthritis. PRO polypeptides which stimulate the release of  
CC proteoglycans from cartilage are useful for treating sports-related joint  
CC problems, articular cartilage defects, osteoarthritis and rheumatoid  
CC arthritis. PRO polypeptides are also useful for treating various  
CC mammalian haemoglobin-associated disorders such as various thalassaemias  
CC and conditions which may benefit from enhanced local immune system cell  
CC infiltration. This sequence represents a human PRO polypeptide of the  
CC invention. Note: The sequence data for this patent is also available in  
CC electronic format from USPTO at seqdata.uspto.gov/sequence.html.  
XX  
SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
DB 1 MEGATRVSIIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRKRGHHTCPCLPNLCSFPPDGRYRCNSMDLNKINF 105  
DB 61 HPGSHKVPFFRKRGHHTCPCLPNLCSFPPDGRYRCNSMDLNKINF 105



CC sources. (I) and (II) are useful for tissue typing. This is the amino  
CC acid sequence of a novel human secreted and transmembrane PRO  
CC polypeptide.  
XX  
SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred No. 2.5e-54; Indels 0; Gaps 0;  
Matches 105; Conservative 0; Mismatches 0;  
Qy 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEC 60  
Qy '61 HPGSHKVPFRKXKHTCPCLENLLCSRPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFRKXKHTCPCLENLLCSRPDGRYRCSDMLKNINF 105  
RESULT 178  
ADC82028  
ID ADC82028 standard; protein; 105 AA.  
XX  
AC ADC82028;  
XX  
DT 01-JAN-2004 (first entry)  
XX  
DE Human PRO polypeptide #115.  
XX  
KW Human; PRO; pancreatic beta-cell precursor cell; pancreatic beta-cell;  
KW insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;  
KW thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;  
KW polycystic kidney disease; renal tumour; antidiabetic; antianemic;  
KW cytostatic; cardiant; vulnery; antiinflammatory; anorectic.  
XX  
OS Homo sapiens.  
XX  
PN US2003083461-A1.  
XX  
PD 01-MAY-2003.  
XX  
PF 14-NOV-2001; 2001US-00992521.  
XX  
PR 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US020069.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 28-MAY-1998; 98US-0087106P.  
PR 02-JUN-1998; 98US-0087607P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 02-JUN-1998; 98US-0087759P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088025P.  
PR 04-JUN-1998; 98US-0088026P.  
PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088029P.  
PR 04-JUN-1998; 98US-0088030P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088326P.  
PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.

RESULT 177  
ADC90287  
ID ADC90287 standard; protein; 105 AA.  
XX  
AC ADC90287;  
XX  
DT 01-JAN-2004 (first entry)  
XX  
DE Novel human secreted and transmembrane protein PRO1186.  
XX  
KW Human; secreted and transmembrane protein; PRO;  
KW tumour necrosis factor alpha release; TNF-alpha release;  
KW glucose uptake modulator; FFA uptake modulator;  
KW cell proliferation stimulator; cell differentiation stimulator;  
KW cell differentiation inhibitor; cytokine release stimulator; tumour;  
KW lung tumour; colon tumour; breast tumour; prostatic tumour; rectal tumour;  
KW cervical tumour; liver tumour; chromosome mapping; Gene mapping;  
KW gene therapy; chromosome identification; chromosome marker.  
XX  
OS Homo sapiens.  
XX  
PN US2003087348-A1.  
XX  
PD 08-MAY-2003.  
XX  
PF 19-APR-2002; 2002US-00125923.  
XX  
PR 05-JUN-2000; 2000US-0209832P.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 19-DEC-2001; 2001US-00028072.  
XX  
FA (GETH ) GENENTECH INC.  
XX  
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
PI Smith V, Stewart TA, Tamas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
DR WPI; 2003-786939/74.  
DR N-PSDB; ABC90286.  
XX  
PT New PRO nucleic acid, useful for manufacturing a medicament for  
diagnosing or treating tumor.  
XX  
PS Claim 12; SEQ ID NO 470; 637pp; English.  
XX  
CC The invention describes 305 nucleic acids encoding PRO (secreted and  
transmembrane) polypeptides (I). (I) is useful for stimulating the  
release of TNF-alpha from human blood, for modulating the uptake of  
glucose or FFA by skeletal muscle cells or adipocyte cells, for  
stimulating the proliferation or differentiation of chondrocyte cells,  
for stimulating the proliferation of or gene expression in pericyte  
cells, for stimulating the release of proteoglycans from cartilage, for  
stimulating the proliferation of inner ear utricular supporting cells,  
for stimulating the proliferation of T-lymphocyte cells, for stimulating  
the release of a cytokine from PMMC cells, for inhibiting the binding of  
A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte  
cells, for stimulating proliferation of endothelial cells, for detecting  
the presence of tumour in a mammal. The tumour is lung, colon, breast,  
prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
are useful for isolating genomic and cDNA nucleotide sequences or  
antisense probes. (I) is also useful as therapeutic agent. PRO is useful  
in assays to identify other proteins or molecules involved in binding  
interaction. A polynucleotide (II) encoding (I) is useful in chromosome  
and gene mapping, in generation of antisense RNA and DNA, in the  
preparation of PRO polypeptide, for generating transgenic animals or  
knockout animals which in turn are useful in the development and  
screening of therapeutically useful reagents, in gene therapy, for  
chromosome identification, as chromosome marker, and for generating  
probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.  
detecting its expression in specific cells, tissues or serum, and for  
affinity purification of PRO from recombinant cell culture or natural

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PR 10-JUN-1998;	98US-0088742P.	PR 12-AUG-1998;	98US-0096329P.
PR 10-JUN-1998;	98US-0088810P.	PR 17-AUG-1998;	98US-0096757P.
PR 10-JUN-1998;	98US-0088824P.	PR 17-AUG-1998;	98US-0096766P.
PR 11-JUN-1998;	98US-0088826P.	PR 17-AUG-1998;	98US-0096768P.
PR 11-JUN-1998;	98US-0088858P.	PR 17-AUG-1998;	98US-0096773P.
PR 11-JUN-1998;	98US-0088861P.	PR 17-AUG-1998;	98US-0096791P.
PR 11-JUN-1998;	98US-0088876P.	PR 17-AUG-1998;	98US-0096867P.
PR 12-JUN-1998;	98US-0089105P.	PR 17-AUG-1998;	98US-0096891P.
PR 16-JUN-1998;	98US-0089440P.	PR 17-AUG-1998;	98US-0096894P.
PR 16-JUN-1998;	98US-0089512P.	PR 17-AUG-1998;	98US-0096895P.
PR 16-JUN-1998;	98US-0089514P.	PR 18-AUG-1998;	98US-0096949P.
PR 17-JUN-1998;	98US-0089532P.	PR 18-AUG-1998;	98US-0096950P.
PR 17-JUN-1998;	98US-0089538P.	PR 18-AUG-1998;	98US-0096959P.
PR 17-JUN-1998;	98US-0089598P.	PR 18-AUG-1998;	98US-0096960P.
PR 17-JUN-1998;	98US-0089599P.	PR 18-AUG-1998;	98US-0097022P.
PR 17-JUN-1998;	98US-0089600P.	PR 19-AUG-1998;	98US-0097141P.
PR 17-JUN-1998;	98US-0089653P.	PR 20-AUG-1998;	98US-0097218P.
PR 18-JUN-1998;	98US-0089801P.	PR 24-AUG-1998;	98US-0097661P.
PR 18-JUN-1998;	98US-0089907P.	PR 26-AUG-1998;	98US-0097952P.
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PR 19-JUN-1998;	98US-0089947P.	PR 26-AUG-1998;	98US-0097955P.
PR 19-JUN-1998;	98US-0089948P.	PR 26-AUG-1998;	98US-0097971P.
PR 19-JUN-1998;	98US-0089952P.	PR 26-AUG-1998;	98US-0097974P.
PR 22-JUN-1998;	98US-0090246P.	PR 26-AUG-1998;	98US-0097978P.
PR 22-JUN-1998;	98US-0090252P.	PR 26-AUG-1998;	98US-0097979P.
PR 23-JUN-1998;	98US-0090349P.	PR 26-AUG-1998;	98US-0097986P.
PR 23-JUN-1998;	98US-0090355P.	PR 26-AUG-1998;	98US-0098014P.
PR 24-JUN-1998;	98US-0090429P.	PR 31-AUG-1998;	98US-0098525P.
PR 24-JUN-1998;	98US-0090431P.	PR 16-SEP-1998;	98US-0098534P.
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PR 24-JUN-1998;	98US-0090444P.	PR 17-SEP-1998;	98US-0100858P.
PR 24-JUN-1998;	98US-0090445P.	PR 07-OCT-1998;	98US-0100859P.
PR 24-JUN-1998;	98US-0090472P.	PR 01-DEC-1998;	98US-0100858P.
PR 24-JUN-1998;	98US-0090535P.	PR 22-DEC-1998;	98US-0113296P.
PR 24-JUN-1998;	98US-0090540P.	PR 05-JAN-1999;	98US-0113296P.
PR 24-JUN-1998;	98US-0090542P.	PR 08-MAR-1999;	98US-0113296P.
PR 24-JUN-1998;	98US-0090557P.	PR 12-MAR-1999;	98US-0113296P.
PR 25-JUN-1998;	98US-0090676P.	PR 23-JUN-1999;	98US-0141037P.
PR 25-JUN-1998;	98US-0090678P.	PR 07-JUL-1999;	98US-0143048P.
PR 25-JUN-1998;	98US-0090690P.	PR 20-JUL-1999;	98US-0144758P.
PR 25-JUN-1998;	98US-0090694P.	PR 26-JUL-1999;	98US-0145698P.
PR 25-JUN-1998;	98US-0090695P.	PR 28-JUL-1999;	98US-0146222P.
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PR 01-JUL-1998;	98US-0091360P.	PR 30-NOV-1999;	98US-0158663P.
PR 02-JUL-1998;	98US-0091544P.	PR 01-DEC-1999;	98US-0158663P.
PR 02-JUL-1998;	98US-0091549P.	PR 01-DEC-1999;	98US-0158663P.
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PR 02-JUL-1998;	98US-0091633P.	PR 20-DEC-1999;	98US-0158663P.
PR 02-JUL-1998;	98US-0091646P.	PR 05-JAN-2000;	98US-0158663P.
PR 02-JUL-1998;	98US-0091673P.	PR 06-JAN-2000;	98US-0158663P.
PR 07-JUL-1998;	98US-0091978P.	PR 11-FEB-2000;	98US-0158663P.
PR 07-JUL-1998;	98US-0091982P.	PR 18-FEB-2000;	98US-0158663P.
PR 09-JUL-1998;	98US-0092182P.	PR 22-FEB-2000;	98US-0158663P.
PR 10-JUL-1998;	98US-0092472P.	PR 24-FEB-2000;	98US-0158663P.
PR 20-JUL-1998;	98US-0093339P.	PR 24-FEB-2000;	98US-0158663P.
PR 30-JUL-1998;	98US-0094651P.	PR 02-MAR-2000;	98US-0158663P.
PR 04-AUG-1998;	98US-0095282P.	PR 10-MAR-2000;	98US-0158663P.
PR 04-AUG-1998;	98US-0095285P.	PR 15-MAR-2000;	98US-0158663P.
PR 04-AUG-1998;	98US-0095301P.	PR 20-MAR-2000;	98US-0158663P.
PR 04-AUG-1998;	98US-0095302P.	PR 30-MAR-2000;	98US-0158663P.
PR 04-AUG-1998;	98US-0095318P.	PR 15-MAY-2000;	98US-0158663P.
PR 04-AUG-1998;	98US-0095321P.	PR 17-MAY-2000;	98US-0158663P.
PR 04-AUG-1998;	98US-0095325P.	PR 22-MAY-2000;	98US-0158663P.
PR 10-AUG-1998;	98US-0095916P.	PR 30-MAY-2000;	98US-0158663P.
PR 10-AUG-1998;	98US-0095922P.	PR 02-JUN-2000;	98US-0158663P.
PR 10-AUG-1998;	98US-0096012P.	PR 23-JUN-2000;	98US-0158663P.
PR 11-AUG-1998;	98US-0096143P.	PR 28-JUN-2000;	98US-0158663P.
PR 11-AUG-1998;	98US-0096146P.		

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PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.

Query Match      100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLMCTPLRGEGEC 60
Db 1 MEGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKXKHTCPCPLNLLCSRFPDGRYRCSMDLNINP 105
Db 61 HPGSHKVPFFRKXKHTCPCPLNLLCSRFPDGRYRCSMDLNINP 105

RESULT 179
ADC69706
ID ADC69706 standard; protein; 105 AA.
XX
AC ADC69706;
XX
DT 01-JAN-2004; (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; adipocyte cell; pericyte cell;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003194770-A1.
XX
PD 16-OCT-2003.
XX
PF 21-MAY-2002; 2002US-00152375.
XX
PR 03-MAR-2000; 2000US-0187202P.
XX
PR 30-MAY-2000; 2000WO-US014941.
XX
PR 01-DEC-2000; 2000WO-US032678.
XX
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH ) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tamas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WP; 2003-844453/78.
XX
DR N-PSDB; ADC69705.
XX
PT New isolated, secreted and transmembrane PRO polypeptides and nucleic
PT acids, useful for the diagnosis, prevention and/or treatment of tumors,
PT such as lung, colon, breast, prostate, rectal, cervical and/or liver
PT tumors.
XX
XX Claim 12; Fig 470; 637pp; English.
XX
PS The invention relates to isolated human PRO polypeptides (secreted and
PS transmembrane polypeptides) and the polynucleotides encoding them. The
PS invention also relates to an antibody which specifically binds to a PRO
PS polypeptide, a method for stimulating the release of tumour necrosis
PS factor-alpha (TNF-alpha) from human blood, a method for stimulating the
PS proliferation or differentiation of chondrocyte cells and a method for
PS detecting the presence of a tumour in a mammal (e.g. adrenal, lung,

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CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA, and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC the USPTO website at seqdata.uspto.gov.
XX
SQ Sequence 105 AA;

```

```

Query Match      100.0%; Score 589; DB 7; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.5e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLMCTPLRGEGEC 60
Db 1 MEGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKXKHTCPCPLNLLCSRFPDGRYRCSMDLNINP 105
Db 61 HPGSHKVPFFRKXKHTCPCPLNLLCSRFPDGRYRCSMDLNINP 105

```

```

RESULT 180
ADC48595
ID ADC48595 standard; protein; 105 AA.
XX
AC ADC48595;
XX
DT 01-JAN-2004 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003194773-A1.
XX
PD 16-OCT-2003.
XX
PF 21-MAY-2002; 2002US-00152391.
XX
PR 09-DEC-1999; 99US-0170262P.
PR 30-MAY-2000; 2000WO-US014941.

```

PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 PA (GETH ) GENENTECH INC.  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI: 2003-844455/78.  
 DR N-PSDB; ADC48594.  
 DR New secreted and transmembrane PRO nucleic acids and polypeptides, useful  
 XX for detecting a tumor, stimulating the release of tumor necrosis factor  
 PT alpha and stimulating the proliferation of endothelial cells.  
 XX Claim 12; Fig 470; 637pp; English.  
 XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumor necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems.  
 CC Polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC USPTO at seqdata.uspto.gov/sequence.html.  
 XX Sequence 105 AA;  
 SQ Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MFGATVSTMLLVVSDCAVITGACERDVCGAGTCCATSLWLGRLMCTPLGREGEC 60  
 DB 1 MFGATVSTMLLVVSDCAVITGACERDVCGAGTCCATSLWLGRLMCTPLGREGEC 60  
 QY 61 HFGSKVPPFRKRKHTCPCLPNLLCSFPDGRYRCSMDLKNINF 105  
 DB 61 HFGSKVPPFRKRKHTCPCLPNLLCSFPDGRYRCSMDLKNINF 105  
 RESULT 181  
 ADD10124  
 ID ADD10124 standard; protein; 105 AA.  
 XX  
 AC ADD10124;  
 XX

DT 01-JAN-2004 (first entry)  
 XX Human PRO polypeptide #235.  
 DE  
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
 KW liver; microvascular endothelial cell; glucose; FFA;  
 KW skeletal muscle cell; adipocyte cell; pericyte cell;  
 KW inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;  
 KW immune system cell infiltration.  
 XX Homo sapiens.  
 OS  
 XX US2003194776-A1.  
 PN  
 XX 16-OCT-2003.  
 PD  
 XX 29-MAY-2002; 2002US-00157785.  
 XX  
 XX 05-JUN-2000; 2000US-0209832P.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 PR (GETH ) GENENTECH INC.  
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI: 2003-852596/79.  
 DR N-PSDB; ADD10123.  
 DR New secreted and transmembrane PRO nucleic acids and polypeptides, useful  
 XX for detecting a tumor, stimulating the release of proteoglycans from  
 PT cartilage and inhibiting the differentiation of adipocyte cells.  
 XX Claim 12; Fig 470; 637pp; English.  
 XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumor necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
 CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for  
 CC stimulating differentiation of adipocyte cells, for stimulating  
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte  
 CC cells, for inducing endothelial cell tube formation and for treating  
 CC various bone and/or cartilage disorders such as sports injuries and  
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans  
 CC from cartilage are useful for treating sports-related joint problems.  
 CC Polypeptides are also useful for treating various mammalian haemoglobin-  
 CC associated disorders such as various thalassemias and conditions which  
 CC may benefit from enhanced local immune system cell infiltration. This  
 CC sequence represents a human PRO polypeptide of the invention. Note: The  
 CC USPTO at seqdata.uspto.gov/sequence.html.  
 XX Sequence 105 AA;  
 SQ Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MFGATVSTMLLVVSDCAVITGACERDVCGAGTCCATSLWLGRLMCTPLGREGEC 60  
 DB 1 MFGATVSTMLLVVSDCAVITGACERDVCGAGTCCATSLWLGRLMCTPLGREGEC 60  
 QY 61 HFGSKVPPFRKRKHTCPCLPNLLCSFPDGRYRCSMDLKNINF 105  
 DB 61 HFGSKVPPFRKRKHTCPCLPNLLCSFPDGRYRCSMDLKNINF 105  
 RESULT 181  
 ADD10124  
 ID ADD10124 standard; protein; 105 AA.  
 XX  
 AC ADD10124;  
 XX

CC sequence data for this patent is also available in electronic format from  
CC USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MGRATRVSMILLVTVSCAVITGACERDVCGAGTCCCAISLWLRGLMCTPLGRGEDEC 60  
Db 1 MGRATRVSMILLVTVSCAVITGACERDVCGAGTCCCAISLWLRGLMCTPLGRGEDEC 60  
QY 61 HPGSHKVPFFRRKRHHTCPCLPNLLCSFRPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRRKRHHTCPCLPNLLCSFRPDGRYRCSMDLKNINF 105

#### RESULT 182

ADD07670

ID ADD07670 standard; protein; 105 AA.

AC ADD07670;

DT 01-JAN-2004 (first entry)

DE Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted protein; transmembrane protein; PRO;

KW neonatal heart hypertrophy; angiogenesis; PRO;

KW vascular endothelial growth factor; VEGF-stimulated proliferation;

KW endothelial cell; T-lymphocyte proliferation; retinal neuron;

KW rod photoreceptor cell; c-fos induction; adipocyte;

KW chondrocyte differentiation; cancer; tumour; colon cancer; lung cancer;

KW breast cancer; pancreatic beta-cell precursor cell; pancreatic beta-cell;

KW insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;

KW thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;

KW polycystic kidney disease; renal tumour; cancer; neurodegenerative disorder;

KW Parkinson's disease; Alzheimer's disease; gene therapy;

KW chromosome mapping; gene mapping; transgenic animal; knock-out animal;

KW antidiabetic; antianaemic; cytostatic; neurotropic; neuroprotective;

XX antiparkinsonian.

XX Homo sapiens.

XX OS

XX US2002193299-A1.

XX PD

XX 19-DEC-2002.

XX PF 19-NOV-2001; 2001US-00989735.

XX XX 16-JUN-1997; 97US-0049787P.

XX PR 17-OCT-1997; 97US-0062250P.

XX PR 03-NOV-1997; 97WO-US020069.

XX PR 12-NOV-1997; 97US-0065186P.

XX PR 13-NOV-1997; 97US-0065311P.

XX PR 24-NOV-1997; 97US-0066770P.

XX PR 25-FEB-1998; 98US-0075945P.

XX PR 20-MAR-1998; 98US-0078910P.

XX PR 28-APR-1998; 98US-0083322P.

XX PR 07-MAY-1998; 98US-0084600P.

XX PR 28-MAY-1998; 98US-0087106P.

XX PR 02-JUN-1998; 98US-0087607P.

XX PR 02-JUN-1998; 98US-0087609P.

XX PR 02-JUN-1998; 98US-0087759P.

XX PR 03-JUN-1998; 98US-0087827P.

XX PR 04-JUN-1998; 98US-0088021P.

XX PR 04-JUN-1998; 98US-0088025P.

XX PR 04-JUN-1998; 98US-0088026P.

XX PR 04-JUN-1998; 98US-0088028P.

XX PR 04-JUN-1998; 98US-0088029P.

XX PR 04-JUN-1998; 98US-0088030P.

XX PR 04-JUN-1998; 98US-0088033P.

PR 04-JUN-1998; 98US-0088326P.  
PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088555P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088742P.  
PR 10-JUN-1998; 98US-0088810P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 10-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088858P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 11-JUN-1998; 98US-0088876P.  
PR 12-JUN-1998; 98US-0089105P.  
PR 16-JUN-1998; 98US-0089440P.  
PR 16-JUN-1998; 98US-0089512P.  
PR 16-JUN-1998; 98US-0089514P.  
PR 17-JUN-1998; 98US-0089532P.  
PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089599P.  
PR 17-JUN-1998; 98US-0089600P.  
PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089801P.  
PR 18-JUN-1998; 98US-0089907P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 18-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 98WO-US000106.  
PR 08-MAR-1999; 98WO-US005028.  
PR 02-JUN-1999; 98WO-US012252.  
PR 15-SEP-1999; 98WO-US021090.  
PR 15-SEP-1999; 98WO-US021547.  
PR 30-NOV-1999; 98WO-US028313.  
PR 01-DEC-1999; 98WO-US028301.  
PR 01-DEC-1999; 98WO-US028634.  
PR 16-DEC-1999; 98WO-US030095.  
PR 20-DEC-1999; 98WO-US030911.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 24-FEB-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 15-MAY-2000; 2000WO-US013358.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 11-AUG-2000; 2000WO-US022031.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 28-FEB-2001; 2001WO-US006520.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 20-JUN-2001; 2001WO-US019492.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 28-AUG-2001; 2001US-00941992.

(GETH ) GENENTECH INC.

PA

XX PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
 PI PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
 PI PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;  
 PI PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
 XX Zhang Z;  
 DR WPI: 2003-657230/62.  
 DR N-PSDB; ADD07669.  
 XX  
 PT Isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346 and  
 PT PRO1375, which stimulate proliferation of stimulated T-lymphocytes and  
 PT are thus therapeutically useful e.g. for enhancing immune response.  
 XX  
 PS Claim 12; SEQ ID NO 371; 659pp; English.  
 XX  
 CC The invention relates to human secreted and transmembrane PRO  
 CC polypeptides and the polynucleotides encoding them. The PRO polypeptides  
 CC or polynucleotides are useful as pharmaceuticals, diagnostics, biosensors  
 CC or bioreactors. They are useful for stimulating hypertrophy of neonatal  
 CC heart, promoting angiogenesis, inhibiting vascular endothelial growth  
 CC factor (VEGF)-stimulated proliferation of endothelial cells, modulating  
 CC the proliferation of stimulated T-lymphocytes, enhancing the survival or  
 CC proliferation of retinal neurons or rod photoreceptor cells, inducing c-  
 CC fos in endothelial cells, modulating glucose or FFA uptake by adipocytes,  
 CC inducing proliferation and/or re-differentiation of chondrocytes, or  
 CC inducing pancreatic beta-cell precursor differentiation into mature  
 CC pancreatic beta-cells. They may therefore be useful in the treatment of  
 CC various insulin deficient states in mammals, including diabetes mellitus,  
 CC and in treating undesired endothelial cell growth, e.g., inhibiting  
 CC tumour growth. The sequences are also useful for treating mammalian  
 CC haemoglobin-associated disorders (e.g., various thalassaemias), cystic  
 CC renal dysplasia, polycystic kidney disease, renal tumours, and other  
 CC cancers such as those of the colon, lung and breast. PRO polypeptides or  
 CC antibodies to PRO polypeptides may be used to detect a PRO polypeptide in  
 CC a sample; to link a bioactive molecule to a cell; to modulate a  
 CC biological activity of a cell; as molecular weight markers for protein  
 CC electrophoresis purposes; for tissue typing; to prepare a medicament for  
 CC treating a condition responsive to the polypeptide or antibody, such as  
 CC neurodegenerative disorders (e.g., Parkinson's disease or Alzheimer's  
 CC disease); and in various diagnostic assays. The PRO polynucleotides can  
 CC be used as hybridisation probes, in chromosome and gene mapping, in  
 CC generating antisense RNA and DNA, and in gene therapy. The polynucleotide  
 CC may also be used in preparing PRO polypeptides by recombinant techniques,  
 CC and in generating either transgenic animals or knock-out animals which,  
 CC in turn, are useful in the development and screening of therapeutically  
 CC useful reagents. This sequence represents a human PRO polypeptide of the  
 CC invention. Note: The sequence data for this patent is also available in  
 CC electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
 XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSMILLVTVSCAVITGACERDVCGAGTGCAISLWLRGLRMCTPLGRGEEC 60  
 DB 1 MRGATRVSMILLVTVSCAVITGACERDVCGAGTGCAISLWLRGLRMCTPLGRGEEC 60  
 QY 61 HPGSHKVPFPRKXKHTCPCLPNLLCSFPPDGRVRCNSMDLKNINF 105  
 DB 61 HPGSHKVPFPRKXKHTCPCLPNLLCSFPPDGRVRCNSMDLKNINF 105  
 RESULT 183  
 ID ADC78113  
 XX ADC78113 standard; protein; 105 AA.  
 AC ADC78113;  
 XX  
 DT 01-JAN-2004 (first entry)  
 XX

DE XX Novel human secreted and transmembrane protein PRO1186.  
 KW Human; secreted and transmembrane protein; PRO; cytostatic; vulnary;  
 KW antiarthritic; pericyte cell proliferation;  
 KW pericyte cell differentiation; chondrocyte cell proliferation;  
 KW chondrocyte cell differentiation; tumour necrosis factor alpha release;  
 KW (TNF)-alpha release; dermal fibroblast cell proliferation;  
 KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
 KW colon tumour; breast tumour; prostate tumour; rectal tumour;  
 KW liver tumour; tissue typing; chromosome mapping; gene mapping;  
 KW gene therapy.  
 XX Homo sapiens.  
 OS  
 XX US2003096972-A1.  
 PN  
 XX 22-MAY-2003.  
 XX  
 PD 29-AUG-2002; 2002US-00232234.  
 PF  
 XX 01-JUN-2001; 2001WO-US017800.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-APR-2002; 2002US-00119480.  
 PR  
 XX (GETH) GENENTECH INC.  
 PA  
 XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
 XX Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
 PI WPI: 2003-765529/72.  
 PI N-PSDB; ADC78112.  
 DR  
 XX Novel isolated PRO polypeptide useful for tissue typing, gene therapy, as  
 PT molecular weight markers, for treating arthritis and tumor.  
 PT  
 XX Claim 11; Fig 166; 308pp; English.  
 PS  
 XX The invention describes an isolated PRO (secreted and transmembrane)  
 CC polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are  
 CC useful for stimulating the proliferation of or gene expression in  
 CC pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful  
 CC for stimulating the proliferation or differentiation of chondrocyte  
 CC cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide  
 CC are useful for stimulating the release of tumour necrosis factor (TNF)-  
 CC alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,  
 CC PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,  
 CC PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,  
 CC PRO1025, PRO1181, PRO1126, PRO1186, PRO1132, PRO1244, PRO1274, PRO1412,  
 CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,  
 CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1567,  
 CC PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,  
 CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for  
 CC stimulating the proliferation of normal human dermal fibroblasts cells.  
 CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,  
 CC PRO5722, PRO5725, PRO1154, or PRO7425 polypeptide are useful for  
 CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
 CC polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,  
 CC are useful for detecting the presence of tumour in a mammal which  
 CC involves comparing the level of expression of the above PRO polypeptides  
 CC in a test sample of cells taken from the mammal, and a control sample of  
 CC normal cells of the same cell type, where a higher level of expression of  
 CC the PRO polypeptides in the test sample as compared to the control sample  
 CC is indicative of the presence of tumour in the mammal. The tumour is lung  
 CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. (I) is useful as molecular weight markers, for tissue  
 CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is  
 CC useful for chromosome and gene mapping or gene therapy. (II) is useful  
 CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.  
 CC

SQ Sequence 105 AA;

Query March 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60  
 DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFRKXKHHTCPCLNLLCSRFPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRKXKHHTCPCLNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 184  
 ADD04699 standard; protein; 105 AA.  
 XX AC ADD04699;  
 XX DT 01-JAN-2004 (first entry)  
 XX DE Novel human secreted and transmembrane protein PRO1186.

XX KW Human; secreted and transmembrane protein; PRO; secreted polypeptide;  
 KW transmembrane polypeptide; tumour necrosis factor-alpha; TNF-alpha;  
 KW chondrocyte; tumour; cancer; adrenal; lung; colon; breast; prostate;  
 KW rectum; kidney; cervix; liver; microvascular endothelial cell;  
 KW glucose uptake modulator; FFA uptake modulator; cell proliferation;  
 KW cell differentiation; skeletal muscle cell; adipocyte cell;  
 KW pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder; thalassaemia;  
 KW immune system cell infiltration; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.

XX OS Homo sapiens.  
 XX US2003087354-A1.  
 XX PD 08-MAY-2003.

XX PF 22-APR-2002; 2002US-00127827.  
 XX 17-AUG-1998; 98US-0096891P.  
 XX 02-JUN-1999; 99WO-US012252.  
 XX 25-AUG-1999; 99US-00380137.  
 XX 30-MAR-2000; 2000WO-US008439.  
 XX 30-MAY-2000; 2000WO-US014941.  
 XX 01-DEC-2000; 2000WO-US032678.  
 XX 19-DEC-2001; 2001US-00028072.

XX (GETH ) GENENTECH INC.  
 XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-801139/75.  
 XX N-PSDB; ADD04698.

XX PT New PRO nucleic acid, useful for manufacturing a medicament for  
 PT diagnosing or treating tumor.  
 XX Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and  
 CC transmembrane polypeptides) and the polynucleotides encoding them. The  
 CC invention also relates to an antibody which specifically binds to a PRO  
 CC polypeptide, a method for stimulating the release of tumour necrosis  
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the

CC proliferation or differentiation of chondrocyte cells and a method for  
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
 CC polynucleotides are useful in molecular biology, including uses as  
 CC hybridisation probes, in chromosome and gene mapping, in generating  
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
 CC be used in preparing PRO polypeptides by recombinant techniques and in  
 CC generating either transgenic animals or knock-out animals which are  
 CC useful in the development and screening of therapeutically useful  
 CC reagents. The PRO polypeptides or antibodies are used in preparing a  
 CC medicament for treating a condition responsive to the polypeptides or  
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
 CC of human microvascular endothelial cells, for modulating the uptake of  
 CC glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte  
 CC cells, for stimulating differentiation of adipocyte cells, for  
 CC stimulating proliferation of or gene expression in pericyte cells, for  
 CC stimulating the proliferation of inner ear utricular supporting cells or  
 CC T-lymphocyte cells, for inducing endothelial cell tube formation and for  
 CC treating various bone and/or cartilage disorders such as sports injuries  
 CC and arthritis. PRO polypeptides which stimulate the release of  
 CC proteoglycans from cartilage are useful for treating sports-related joint  
 CC problems, articular cartilage defects, osteoarthritis and rheumatoid  
 CC arthritis. PRO polypeptides are also useful for treating various  
 CC mammalian haemoglobin-associated disorders such as various thalassaemias  
 CC and conditions which may benefit from enhanced local immune system cell  
 CC infiltration. This sequence represents a human PRO polypeptide of the  
 CC invention. Note: The sequence data for this patent is also available in  
 CC electronic format from USPTO at seqdata.uspto.gov/sequence.html.

XX SQ Sequence 105 AA;  
 Query March 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60  
 DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFRKXKHHTCPCLNLLCSRFPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRKXKHHTCPCLNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 185  
 ADC82561  
 ID ADC82561 standard; protein; 105 AA.  
 XX AC ADC82561;  
 XX DT 01-JAN-2004 (first entry)  
 XX DE Human PRO polypeptide #115.  
 XX KW Human; PRO; pancreatic beta-cell precursor cell; pancreatic beta-cell;  
 KW insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;  
 KW thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;  
 KW polycystic kidney disease; renal tumour; antidiabetic; antianaemic;  
 KW cytostatic; cardiac; vulnary; antinflammatory; anorectic.

XX OS Homo sapiens.  
 XX US2003059833-A1.  
 XX PD 27-MAR-2003.  
 XX PF 15-NOV-2001; 2001US-00997440.  
 XX 16-JUN-1997; 97US-0049787P.  
 XX 17-OCT-1997; 97US-0062250P.  
 XX 05-NOV-1997; 97WO-US020069.  
 XX 12-NOV-1997; 97US-0065188P.  
 XX 13-NOV-1997; 97US-0065311P.



PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 28-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 28-MAY-1998; 98US-0084600P.  
PR 28-JUN-1998; 98US-0087106P.  
PR 02-JUN-1998; 98US-0087607P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 02-JUN-1998; 98US-0087759P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088025P.  
PR 04-JUN-1998; 98US-0088026P.  
PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088030P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088036P.  
PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088742P.  
PR 10-JUN-1998; 98US-0088810P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 10-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088858P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 11-JUN-1998; 98US-0088876P.  
PR 12-JUN-1998; 98US-0089105P.  
PR 16-JUN-1998; 98US-0089440P.  
PR 16-JUN-1998; 98US-0089512P.  
PR 16-JUN-1998; 98US-0089514P.  
PR 17-JUN-1998; 98US-0089532P.  
PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089599P.  
PR 17-JUN-1998; 98US-0089600P.  
PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089801P.  
PR 18-JUN-1998; 98US-0089907P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 19-JUN-1998; 98US-0089947P.  
PR 19-JUN-1998; 98US-0089948P.  
PR 19-JUN-1998; 98US-0089952P.  
PR 22-JUN-1998; 98US-0090246P.  
PR 22-JUN-1998; 98US-0090252P.  
PR 22-JUN-1998; 98US-0090254P.  
PR 23-JUN-1998; 98US-0090349P.  
PR 24-JUN-1998; 98US-0090429P.  
PR 24-JUN-1998; 98US-0090431P.  
PR 24-JUN-1998; 98US-0090435P.  
PR 24-JUN-1998; 98US-0090444P.  
PR 24-JUN-1998; 98US-0090445P.  
PR 24-JUN-1998; 98US-0090472P.  
PR 24-JUN-1998; 98US-0090535P.  
PR 24-JUN-1998; 98US-0090540P.  
PR 24-JUN-1998; 98US-0090542P.  
PR 25-JUN-1998; 98US-0090557P.  
PR 25-JUN-1998; 98US-0090676P.  
PR 25-JUN-1998; 98US-0090678P.  
PR 25-JUN-1998; 98US-0090690P.  
PR 25-JUN-1998; 98US-0090694P.  
PR 25-JUN-1998; 98US-0090695P.  
PR 25-JUN-1998; 98US-0090696P.  
PR 26-JUN-1998; 98US-0090862P.  
PR 26-JUN-1998; 98US-0090863P.  
PR 01-JUL-1998; 98US-0091360P.  
PR 01-JUL-1998; 98US-0091544P.  
PR 02-JUL-1998; 98US-0091478P.  
PR 02-JUL-1998; 98US-0091519P.  
PR 02-JUL-1998; 98US-0091628P.  
PR 02-JUL-1998; 98US-0091628P.  
PR 02-JUL-1998; 98US-0091633P.  
PR 02-JUL-1998; 98US-0091646P.  
PR 02-JUL-1998; 98US-0091673P.  
PR 02-JUL-1998; 98US-0091978P.  
PR 07-JUL-1998; 98US-0091982P.  
PR 07-JUL-1998; 98US-0092182P.  
PR 10-JUL-1998; 98US-0092472P.  
PR 20-JUL-1998; 98US-0093339P.  
PR 30-JUL-1998; 98US-0094651P.  
PR 04-AUG-1998; 98US-0095282P.  
PR 04-AUG-1998; 98US-0095285P.  
PR 04-AUG-1998; 98US-0095301P.  
PR 04-AUG-1998; 98US-0095302P.  
PR 04-AUG-1998; 98US-0095318P.  
PR 04-AUG-1998; 98US-0095331P.  
PR 04-AUG-1998; 98US-0095325P.  
PR 10-AUG-1998; 98US-0095916P.  
PR 10-AUG-1998; 98US-0095929P.  
PR 10-AUG-1998; 98US-0096012P.  
PR 11-AUG-1998; 98US-0096143P.  
PR 11-AUG-1998; 98US-0096146P.  
PR 12-AUG-1998; 98US-0096329P.  
PR 17-AUG-1998; 98US-0096757P.  
PR 17-AUG-1998; 98US-0096766P.  
PR 17-AUG-1998; 98US-0096768P.  
PR 17-AUG-1998; 98US-0096773P.  
PR 17-AUG-1998; 98US-0096791P.  
PR 17-AUG-1998; 98US-0096867P.  
PR 17-AUG-1998; 98US-0096891P.  
PR 17-AUG-1998; 98US-0096894P.  
PR 17-AUG-1998; 98US-0096895P.  
PR 17-AUG-1998; 98US-0096897P.  
PR 18-AUG-1998; 98US-0096949P.  
PR 18-AUG-1998; 98US-0096950P.  
PR 18-AUG-1998; 98US-0096959P.  
PR 18-AUG-1998; 98US-0096960P.  
PR 18-AUG-1998; 98US-0097022P.  
PR 19-AUG-1998; 98US-0097141P.  
PR 20-AUG-1998; 98US-0097218P.  
PR 24-AUG-1998; 98US-0097661P.  
PR 26-AUG-1998; 98US-0097952P.  
PR 26-AUG-1998; 98US-0097954P.  
PR 26-AUG-1998; 98US-0097955P.  
PR 26-AUG-1998; 98US-0097971P.  
PR 26-AUG-1998; 98US-0097974P.  
PR 26-AUG-1998; 98US-0097978P.  
PR 26-AUG-1998; 98US-0097979P.  
PR 26-AUG-1998; 98US-0097986P.  
PR 26-AUG-1998; 98US-0098014P.  
PR 31-AUG-1998; 98US-0098525P.  
PR 16-SEP-1998; 98US-0100634P.  
PR 16-SEP-1998; 98US-0100634P.  
PR 17-SEP-1998; 98US-0100858P.  
PR 17-SEP-1998; 98US-0100858P.  
PR 07-OCT-1998; 98US-0100858P.  
PR 01-DEC-1998; 98US-0100858P.  
PR 22-DEC-1998; 98US-0100858P.  
PR 05-JAN-1999; 98US-0100858P.  
PR 08-MAR-1999; 98US-0100858P.  
PR 12-MAR-1999; 98US-0100858P.  
PR 02-JUN-1999; 98US-0100858P.  
PR 23-JUN-1999; 98US-0100858P.  
PR 07-JUL-1999; 98US-0100858P.  
PR 20-JUL-1999; 98US-0100858P.  
PR 26-JUL-1999; 98US-0100858P.  
PR 17-AUG-1999; 98US-0100858P.  
PR 15-SEP-1999; 98US-0100858P.



PR	15-SEP-1999;	99WO-US021547.	PR	PA	(GETH ) GENENTECH INC.
PR	08-OCT-1999;	99US-0158663P.	PR	XX	
PR	30-NOV-1999;	99WO-US028313.	PI	PI	Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PR	01-DEC-1999;	99WO-US028301.	PI	PI	Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
PR	01-DEC-1999;	99WO-US028634.	XX	XX	
PR	16-DEC-1999;	99WO-US030095.	DR	DR	WPI; 2003-644807/61.
PR	05-JAN-2000;	2000WO-US000219.	DR	DR	N-PSDB; ADD06347.
PR	06-JAN-2000;	2000WO-US000376.	XX	XX	
PR	11-FEB-2000;	2000WO-US003565.	PT	PT	New PRO polypeptides and nucleic acids encoding the polypeptides, useful
PR	18-FEB-2000;	2000WO-US004341.	PT	PT	in gene therapy, chromosome identification, tissue typing, or as
PR	22-FEB-2000;	2000WO-US004414.	PT	PT	hybridization probes in chromosome and gene mapping.
PR	24-FEB-2000;	2000WO-US004914.	XX	XX	
PR	24-FEB-2000;	2000WO-US005004.	PS	PS	Claim 11; SEQ ID NO 166; 314pp; English.
PR	02-MAR-2000;	2000WO-US005841.	XX	XX	
PR	10-MAR-2000;	2000WO-US006319.	CC	CC	The invention describes an isolated PRO (secreted and transmembrane)
PR	15-MAR-2000;	2000WO-US006884.	CC	CC	polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
PR	20-MAR-2000;	2000WO-US007377.	CC	CC	useful for stimulating the proliferation of or gene expression in
PR	30-MAR-2000;	2000WO-US008439.	CC	CC	pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
PR	15-MAY-2000;	2000WO-US013358.	CC	CC	for stimulating the proliferation or differentiation of chondrocyte
PR	17-MAY-2000;	2000WO-US013705.	CC	CC	cells. PRO331, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
PR	22-MAY-2000;	2000WO-US014042.	CC	CC	are useful for stimulating the release of tumour necrosis factor (TNF)-
PR	30-MAY-2000;	2000WO-US014941.	CC	CC	alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,
PR	02-JUN-2000;	2000US-0213637P.	CC	CC	PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080.
PR	23-JUN-2000;	2000US-0213637P.	CC	CC	PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
PR	28-JUL-2000;	2000WO-US020710.	CC	CC	PRO1255, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,
PR	11-AUG-2000;	2000WO-US022031.	CC	CC	PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,
PR	23-AUG-2000;	2000WO-US023532.	CC	CC	PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,
CC	CC		CC	CC	PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,
CC	CC		CC	CC	PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for
CC	CC		CC	CC	stimulating the proliferation of normal human dermal fibroblasts cells.
CC	CC		CC	CC	PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,
CC	CC		CC	CC	PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for
CC	CC		CC	CC	inhibiting the proliferation of normal human dermal fibroblast cells. PRO
CC	CC		CC	CC	polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,
CC	CC		CC	CC	are useful for detecting the presence of tumour in a mammal which
CC	CC		CC	CC	involves comparing the level of expression of the above PRO polypeptides
CC	CC		CC	CC	in a test sample of cells taken from the mammal, and a control sample of
CC	CC		CC	CC	normal cells of the same cell type, where a higher level of expression of
CC	CC		CC	CC	the PRO polypeptides in the test sample as compared to the control sample
CC	CC		CC	CC	is indicative of the presence of tumour in the mammal. The tumour is lung
CC	CC		CC	CC	tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC	CC		CC	CC	liver tumour. (I) is useful as molecular weight markers, for tissue
CC	CC		CC	CC	typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is
CC	CC		CC	CC	useful for chromosome and gene mapping or gene therapy. (II) is useful
CC	CC		CC	CC	for generating transgenic animals or knock-out animals which are useful
CC	CC		CC	CC	screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide
CC	CC		CC	CC	is useful for treating bone and/or cartilage disorders (e.g., arthritis,
CC	CC		CC	CC	sport injuries). This is the amino acid sequence of a human secreted and
CC	CC		CC	CC	transmembrane PRO polypeptide.
XX	XX		XX	XX	
SQ	SQ	Sequence 105 AA;	SQ	SQ	
Query Match 100.0%; Score 589; DB 7; Length 105;					
Best Local Similarity 100.0%; Pred. No. 2.5e-54;					
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
QY	1	MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCATSLWLRLMCTPLRGEGEC 60	QY	1	MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCATSLWLRLMCTPLRGEGEC 60
Db	1	MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCATSLWLRLMCTPLRGEGEC 60	Db	1	MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCATSLWLRLMCTPLRGEGEC 60
QY	61	HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105	QY	61	HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105
Db	61	HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105	Db	61	HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105
RESULT 187					
ADC80655					
ID	ADC80655	standard; protein; 105 AA.	ID	ADC80655	standard; protein; 105 AA.
XX	XX		XX	XX	
AC	AC	ADC80655;	AC	AC	ADC80655;
XX	XX		XX	XX	
DT	DT	01-JAN-2004 (first entry)	DT	DT	01-JAN-2004 (first entry)
XX	XX		XX	XX	

HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

DE Novel human secreted and transmembrane protein PRO1186.  
XX Human; secreted and transmembrane protein; PRO; secreted polypeptide;  
XX transmembrane polypeptide; tumour necrosis factor- $\alpha$ ; TNF- $\alpha$ ;  
XX chondrocyte; tumour; cancer; adrenal; lung; colon; breast; prostate;  
XX rectum; kidney; cervix; liver; microvascular endothelial cell;  
XX glucose uptake modulator; FFA uptake modulator; cell proliferation;  
XX cell differentiation; skeletal muscle cell; adipocyte cell;  
XX pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;  
XX endothelial cell tube formation; bone disorder; cartilage disorder;  
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
XX rheumatoid arthritis; haemoglobin-associated disorder; thalassaemia;  
XX immune system cell infiltration; chromosome mapping; gene mapping;  
XX gene therapy; chromosome identification; chromosome marker.  
XX  
XX Homo sapiens.  
XX  
XX US20030921103-A1.  
XX  
XX 15-MAY-2003.  
XX  
XX 24-APR-2002; 2002US-00131815.  
XX  
XX 22-DEC-1998; 98US-0113511P.  
XX 01-DEC-1999; 99WO-US028634.  
XX 22-FEB-2000; 2000WO-US004414.  
XX 01-DEC-2000; 2000WO-US032678.  
XX 19-DEC-2001; 2001US-00028072.  
XX  
XX (GETH ) GENENTECH INC.  
XX  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
XX WPI; 2003-801168/75.  
XX N-PSDB; ADC80654.  
XX  
XX New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or  
XX PRO4978, useful in molecular biology, chromosome and gene mapping, in  
XX generating antisense RNA and DNA, and in gene therapy.  
XX  
XX Claim 12; Fig 470; 637pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor- $\alpha$  (TNF- $\alpha$ ) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are  
XX useful in the development and screening of therapeutically useful  
XX reagents. The PRO polypeptides or antibodies are used in preparing a  
XX medicament for treating a condition responsive to the polypeptides or  
XX antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX of human microvascular endothelial cells, for modulating the uptake of  
XX glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte  
XX cells, for stimulating differentiation of adipocyte cells, for  
XX stimulating proliferation of or gene expression in pericyte cells, for  
XX stimulating the proliferation of inner ear utricular supporting cells or  
XX T-lymphocyte cells, for inducing endothelial cell tube formation and for  
XX treating various bone and/or cartilage disorders such as sports injuries  
XX and arthritis. PRO polypeptides which stimulate the release of  
XX proteoglycans from cartilage are useful for treating sports-related joint  
XX problems, articular cartilage defects, osteoarthritis and rheumatoid  
XX arthritis. PRO polypeptides are also useful for treating various  
XX mammalian haemoglobin-associated disorders such as various thalassaemias

CC and conditions which may benefit from enhanced local immune system cell  
CC infiltration. This sequence represents a human PRO polypeptide of the  
CC invention. Note: The sequence data for this patent is also available in  
CC electronic format from USPTO at seqdata.uspto.gov/sequence.html.  
XX  
XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGMRMCTPLGREGEEC 60  
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGMRMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRRKRKHHTCPLNLLCSFPDPGRYRCSDMLKXINF 105  
DB 61 HPGSHKVPFFRRKRKHHTCPLNLLCSFPDPGRYRCSDMLKXINF 105

## RESULT 188

ADD111162  
ID ADD11162 standard; protein; 105 AA.

XX  
AC ADD11162;

XX  
DT 01-JAN-2004 (first entry)

XX  
DE Human PRO polypeptide #235.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
XX tumour necrosis factor- $\alpha$ ; TNF- $\alpha$ ; chondrocyte cell; tumour;  
XX cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
XX liver; microvascular endothelial cell; glucose; FFA;  
XX skeletal muscle cell; adipocyte cell; pericyte cell;  
XX inner ear utricular supporting cell; T-lymphocyte cell;  
XX endothelial cell tube formation; bone disorder; cartilage disorder;  
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
XX rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
XX immune system cell infiltration.  
XX  
XX Homo sapiens.  
XX  
XX US2003194774-A1.  
XX  
XX 16-OCT-2003.  
XX  
XX 21-MAY-2002; 2002US-00152399.  
XX  
XX 03-MAR-2000; 2000US-0187202P.  
XX 01-DEC-2000; 2000WO-US032678.  
XX 19-DEC-2001; 2001US-00028072.  
XX  
XX (GETH ) GENENTECH INC.  
XX  
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
XX  
XX WPI; 2003-852594/79.  
XX N-PSDB; ADD11161.  
XX  
XX New secreted and transmembrane PRO nucleic acids and polypeptides, useful  
XX for detecting a tumour, stimulating the proliferation or differentiation  
XX of chondrocyte cells and stimulating the release of tumor necrosis factor  
XX  $\alpha$ .  
XX  
XX Claim 12; SEQ ID NO 470; 637pp; English.  
XX  
XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis

factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX PA factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX PI proliferation or differentiation of chondrocyte cells and a method for  
XX PI detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX PI colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX PI polynucleotides are useful in molecular biology, including uses as  
XX PI hybridisation probes, in chromosome and gene mapping, in generating  
XX PI antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX PI be used in preparing PRO polypeptides by recombinant techniques and in  
XX PI generating either transgenic animals or knock-out animals which are  
XX PI useful in the development and screening of therapeutically useful  
XX PI reagents. The PRO polypeptides or antibodies are used in preparing a  
XX PI medicament for treating a condition responsive to the polypeptides or  
XX PI antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX PI of human microvascular endothelial cells, for modulating the uptake of  
XX PI glucose or FFA by skeletal muscle cells or adipocyte cells, for  
XX PI stimulating differentiation of adipocyte cells, for stimulating  
XX PI proliferation of or gene expression in pericyte cells, for stimulating  
XX PI the proliferation of inner ear utricular supporting cells or T-lymphocyte  
XX PI cells, for inducing endothelial cell tube formation and for treating  
XX PI various bone and/or cartilage disorders such as sports injuries and  
XX PI arthritis. PRO polypeptides which stimulate the release of proteoglycans  
XX PI from cartilage are useful for treating sports-related joint problems,  
XX PI articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
XX PI polypeptides are also useful for treating various mammalian haemoglobin-  
XX PI associated disorders such as various thalassaemias and conditions which  
XX PI may benefit from enhanced local immune system cell infiltration. This  
XX PI sequence represents a human PRO polypeptide of the invention. Note: The  
XX PI sequence data for this patent is also available in electronic format from  
XX PI USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
Db 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
QY 61 HPGSHKVPFFRRKRKHTTCPLNLLCSRFDPDGRYRCSMDLNINF 105  
Db 61 HPGSHKVPFFRRKRKHTTCPLNLLCSRFDPDGRYRCSMDLNINF 105

RESULT 189  
ADD10461  
ID ADD10461 standard; protein; 105 AA.  
XX AC ADD10461;  
XX DT 01-JAN-2004 (first entry)  
XX DE Human secreted/transmembrane PRO polypeptide #86.  
XX KW human; secreted protein; transmembrane protein; cardiovascular disorder;  
XX KW endothelial disorder; angiogenic disorder; myocardial infarction;  
XX KW cardiac hypertrophy; trauma; cancer; age-related macular degeneration;  
XX KW angiogenesis; endothelial cell apoptosis; smooth muscle cell growth;  
XX KW endothelial cell tube formation.  
XX OS Homo sapiens.  
XX PN US2003105011-A1.  
XX XX  
XX PD 05-JUN-2003.  
XX XX  
XX PF 16-AUG-2002; 2002US-00223084.  
XX XX  
XX PR 15-SEP-2000; 2000US-0232887P.  
XX PR 20-JUN-2001; 2001WO-US019592.  
XX PR 09-JUL-2001; 2001WO-US021735.  
XX PR 20-FEB-2002; 2002US-00081056.

XX PA factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX PI proliferation or differentiation of chondrocyte cells and a method for  
XX PI detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX PI colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX PI polynucleotides are useful in molecular biology, including uses as  
XX PI hybridisation probes, in chromosome and gene mapping, in generating  
XX PI antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX PI be used in preparing PRO polypeptides by recombinant techniques and in  
XX PI generating either transgenic animals or knock-out animals which are  
XX PI useful in the development and screening of therapeutically useful  
XX PI reagents. The PRO polypeptides or antibodies are used in preparing a  
XX PI medicament for treating a condition responsive to the polypeptides or  
XX PI antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX PI of human microvascular endothelial cells, for modulating the uptake of  
XX PI glucose or FFA by skeletal muscle cells or adipocyte cells, for  
XX PI stimulating differentiation of adipocyte cells, for stimulating  
XX PI proliferation of or gene expression in pericyte cells, for stimulating  
XX PI the proliferation of inner ear utricular supporting cells or T-lymphocyte  
XX PI cells, for inducing endothelial cell tube formation and for treating  
XX PI various bone and/or cartilage disorders such as sports injuries and  
XX PI arthritis. PRO polypeptides which stimulate the release of proteoglycans  
XX PI from cartilage are useful for treating sports-related joint problems,  
XX PI articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO  
XX PI polypeptides are also useful for treating various mammalian haemoglobin-  
XX PI associated disorders such as various thalassaemias and conditions which  
XX PI may benefit from enhanced local immune system cell infiltration. This  
XX PI sequence represents a human PRO polypeptide of the invention. Note: The  
XX PI sequence data for this patent is also available in electronic format from  
XX PI USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
Db 1 MEGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
QY 61 HPGSHKVPFFRRKRKHTTCPLNLLCSRFDPDGRYRCSMDLNINF 105  
Db 61 HPGSHKVPFFRRKRKHTTCPLNLLCSRFDPDGRYRCSMDLNINF 105

RESULT 190  
ADC48043  
ID ADC48043 standard; protein; 105 AA.  
XX AC ADC48043;  
XX DT 01-JAN-2004 (first entry)  
XX DE Human PRO polypeptide #235.  
XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;  
XX KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
XX KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
XX KW liver; microvascular endothelial cell; glucose; FFA;  
XX KW skeletal muscle cell; adipocyte cell; pericyte cell;  
XX KW inner ear utricular supporting cell; T-lymphocyte cell;  
XX KW endothelial cell tube formation; bone disorder; cartilage disorder;  
XX KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
XX KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
XX KW immune system cell infiltration.  
XX OS Homo sapiens.  
XX XX  
XX PN US2003194771-A1.  
XX XX

RESULT 191

PR 17-JUN-1998; 98US-0089532P.  
PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089599P.  
PR 17-JUN-1998; 98US-0089600P.  
PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089801P.  
PR 18-JUN-1998; 98US-0089907P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 19-JUN-1998; 98US-0089948P.  
PR 19-JUN-1998; 98US-0089952P.  
PR 20-JUN-1998; 98US-0090246P.  
PR 22-JUN-1998; 98US-0090252P.  
PR 22-JUN-1998; 98US-0090254P.  
PR 23-JUN-1998; 98US-0090349P.  
PR 23-JUN-1998; 98US-0090355P.  
PR 24-JUN-1998; 98US-0090429P.  
PR 24-JUN-1998; 98US-0090431P.  
PR 24-JUN-1998; 98US-0090435P.  
PR 24-JUN-1998; 98US-0090444P.  
PR 24-JUN-1998; 98US-0090445P.  
PR 24-JUN-1998; 98US-0090472P.  
PR 24-JUN-1998; 98US-0090535P.  
PR 24-JUN-1998; 98US-0090540P.  
PR 24-JUN-1998; 98US-0090542P.  
PR 24-JUN-1998; 98US-0090557P.  
PR 25-JUN-1998; 98US-0090676P.  
PR 25-JUN-1998; 98US-0090678P.  
PR 25-JUN-1998; 98US-0090690P.  
PR 25-JUN-1998; 98US-0090694P.  
PR 25-JUN-1998; 98US-0090695P.  
PR 25-JUN-1998; 98US-0090696P.  
PR 26-JUN-1998; 98US-0090862P.  
PR 26-JUN-1998; 98US-0090863P.  
PR 01-JUL-1998; 98US-0091360P.  
PR 01-JUL-1998; 98US-0091364P.  
PR 02-JUL-1998; 98US-0091478P.  
PR 02-JUL-1998; 98US-0091519P.  
PR 02-JUL-1998; 98US-0091626P.  
PR 02-JUL-1998; 98US-0091628P.  
PR 02-JUL-1998; 98US-0091633P.  
PR 02-JUL-1998; 98US-0091646P.  
PR 02-JUL-1998; 98US-0091673P.  
PR 07-JUL-1998; 98US-0091978P.  
PR 07-JUL-1998; 98US-0091982P.  
PR 09-JUL-1998; 98US-0092182P.  
PR 10-JUL-1998; 98US-0092472P.  
PR 20-JUL-1998; 98US-0093339P.  
PR 30-JUL-1998; 98US-0094651P.  
PR 04-AUG-1998; 98US-0095282P.  
PR 04-AUG-1998; 98US-0095285P.  
PR 04-AUG-1998; 98US-0095302P.  
PR 04-AUG-1998; 98US-0095318P.  
PR 04-AUG-1998; 98US-0095321P.  
PR 04-AUG-1998; 98US-0095325P.  
PR 10-AUG-1998; 98US-0095916P.  
PR 10-AUG-1998; 98US-0095929P.  
PR 10-AUG-1998; 98US-0096012P.  
PR 11-AUG-1998; 98US-0096143P.  
PR 11-AUG-1998; 98US-0096146P.  
PR 12-AUG-1998; 98US-0096229P.  
PR 17-AUG-1998; 98US-0096757P.  
PR 17-AUG-1998; 98US-0096766P.  
PR 17-AUG-1998; 98US-0096768P.  
PR 17-AUG-1998; 98US-0096773P.  
PR 17-AUG-1998; 98US-0096791P.  
PR 17-AUG-1998; 98US-0096867P.  
PR 17-AUG-1998; 98US-0096891P.  
PR 17-AUG-1998; 98US-0096894P.  
PR 17-AUG-1998; 98US-0096895P.  
PR 17-AUG-1998; 98US-0096897P.  
PR 18-AUG-1998; 98US-0096949P.

PR 18-AUG-1998; 98US-0096950P.  
PR 18-AUG-1998; 98US-0096959P.  
PR 18-AUG-1998; 98US-0096960P.  
PR 18-AUG-1998; 98US-0097022P.  
PR 19-AUG-1998; 98US-0097144P.  
PR 20-AUG-1998; 98US-0097218P.  
PR 24-AUG-1998; 98US-0097661P.  
PR 26-AUG-1998; 98US-0097952P.  
PR 26-AUG-1998; 98US-0097954P.  
PR 26-AUG-1998; 98US-0097955P.  
PR 26-AUG-1998; 98US-0097971P.  
PR 26-AUG-1998; 98US-0097974P.  
PR 26-AUG-1998; 98US-0097978P.  
PR 26-AUG-1998; 98US-0097979P.  
PR 26-AUG-1998; 98US-0097986P.  
PR 31-AUG-1998; 98US-0098014P.  
PR 16-SEP-1998; 98US-0098525P.  
PR 16-SEP-1998; 98US-0100634P.  
PR 17-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98US-0100858P.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 21-DEC-1998; 98WO-US025108.  
PR 22-DEC-1998; 98US-0113296P.  
PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 12-MAR-1999; 99US-0123957P.  
PR 02-JUN-1999; 99WO-US012252.  
PR 23-JUN-1999; 99US-0141037P.  
PR 20-JUL-1999; 99US-0143048P.  
PR 20-JUL-1999; 99US-0144758P.  
PR 26-JUL-1999; 99US-0145698P.  
PR 28-JUL-1999; 99US-0146222P.  
PR 17-AUG-1999; 99US-0149396P.  
PR 15-SEP-1999; 99WO-US021090.  
PR 15-SEP-1999; 99WO-US021547.  
PR 08-OCT-1999; 99US-0158663P.  
PR 30-NOV-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028301.  
PR 01-DEC-1999; 99WO-US028634.  
PR 16-DEC-1999; 99WO-US030095.  
PR 20-DEC-1999; 99WO-US030911.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 24-FEB-2000; 2000WO-US004914.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 10-MAR-2000; 2000WO-US006319.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 20-MAR-2000; 2000WO-US007377.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 15-MAY-2000; 2000WO-US013358.

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRGEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRGEEC 60

QY 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 192

ADC77867

ID ADC77867 standard; protein; 105 AA.

XX

AD77867;  
 01-JAN-2004 (first entry)  
 Novel human secreted and transmembrane protein PRO1186.  
 Human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;  
 antiarthritic; pericyte cell proliferation;  
 pericyte cell differentiation; chondrocyte cell proliferation;  
 chondrocyte cell differentiation; tumour necrosis factor alpha release;  
 (TNF)-alpha release; dermal fibroblast cell proliferation;  
 dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
 colon tumour; breast tumour; prostate tumour; rectal tumour;  
 liver tumour; tissue typing; chromosome mapping; gene mapping;  
 gene therapy.  
 Homo sapiens.  
 US2003088066-A1.  
 08-MAY-2003.  
 13-AUG-2002; 2002US-00219466.  
 01-JUN-2001; 2001WO-US017800.  
 29-JUN-2001; 2001WO-US021066.  
 09-APR-2002; 2002US-00119480.  
 (GETH ) GENENTECH INC.  
 Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,  
 Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
 WPI; 2003-657980/62.  
 N-PSDB; ADC77866.  
 One hundred and twenty two nucleic acids encoding PRO polypeptides,  
 useful in gene therapy, or for preparing a medicament for treating a  
 condition that is responsive to the PRO polypeptide or anti-PRO antibody,  
 e.g. cancer.  
 Claim 11; Fig 166; 314pp; English.  
 The invention describes an isolated PRO (secreted and transmembrane)  
 polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are  
 useful for stimulating the proliferation of or gene expression in  
 pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful  
 for stimulating the proliferation or differentiation of chondrocyte  
 cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide  
 are useful for stimulating the release of tumour necrosis factor (TNF)-  
 alpha from human blood. PRO982, PRO357, PRO1306, PRO1419, PRO214,  
 PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,  
 PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1413, PRO1309,  
 PRO1025, PRO1181, PRO1126, PRO1186, PRO1244, PRO1274, PRO1412,  
 PRO1286, PRO1330, PRO1347, PRO1305, PRO1279, PRO1340, PRO1338,  
 PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,  
 PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,  
 PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for  
 stimulating the proliferation of normal human dermal fibroblasts cells.  
 PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,  
 PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for  
 inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
 polypeptides such as PRO6004, PRO4981, PRO7174, PRO5775, PRO4332, etc.,  
 are useful for detecting the presence of tumour in a mammal which  
 involves comparing the level of expression of the above PRO polypeptides  
 in a test sample of cells taken from the mammal, and a control sample of  
 normal cells of the same cell type, where a higher level of expression of  
 the PRO polypeptides in the test sample as compared to the control sample  
 is indicative of the presence of tumour in the mammal. The tumour is lung  
 tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
 liver tumour. (I) is useful as molecular weight markers, for tissue  
 typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is  
 useful for chromosome and gene mapping or gene therapy. (II) is useful

CC for generating transgenic animals or knock-out animals which are useful  
 CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide  
 CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
 CC sport injuries). This is the amino acid sequence of a human secreted and  
 CC transmembrane PRO polypeptide.  
 XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 7; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSLMLRGLRMTPLGREGEEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSLMLRGLRMTPLGREGEEC 60  
 QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
 DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
 RESULT 193  
 ADC80103  
 ID ADC80103 standard; protein; 105 AA.  
 AC ADC80103;  
 XX  
 DT 01-JAN-2004 (first entry)  
 XX  
 DE Novel human secreted and transmembrane protein PRO1186.  
 XX  
 DE Human; secreted and transmembrane protein; PRO; secreted polypeptide;  
 KW transmembrane polypeptide; tumour necrosis factor-alpha; TNF-alpha;  
 KW chondrocyte; tumour; cancer; adrenal; lung; colon; breast; prostate;  
 KW rectum; kidney; cervix; liver; microvascular endothelial cell;  
 KW glucose uptake modulator; FFA uptake modulator; cell proliferation;  
 KW cell differentiation; skeletal muscle cell; adipocyte cell;  
 KW pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;  
 KW endothelial cell tube formation; bone disorder; cartilage disorder;  
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
 KW rheumatoid arthritis; haemoglobin-associated disorder; thalassemia;  
 KW immune system cell infiltration; chromosome mapping; gene mapping;  
 KW gene therapy; chromosome identification; chromosome marker.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003087358-A1.  
 XX  
 PD 08-MAY-2003.  
 XX  
 PF 22-APR-2002; 2002US-00127833.  
 XX  
 PR 01-SEP-1998; 98US-0098750P.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 18-OCT-1999; 99US-00403297.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 19-DEC-2001; 2001US-00028072.  
 XX  
 (GETH ) GENENTECH INC.  
 XX  
 PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;  
 XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 XX WPI; 2003-801143/75.  
 DR N-PSDB; ADC80102.  
 XX  
 PT New PRO nucleic acid, useful for manufacturing a medicament for  
 PT diagnosing or treating tumor.  
 XX  
 PS Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and  
CC transmembrane polypeptides) and the polynucleotides encoding them. The  
CC invention also relates to an antibody which specifically binds to a PRO  
CC polypeptide, a method for stimulating the release of tumour necrosis  
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
CC proliferation or differentiation of chondrocyte cells and a method for  
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
CC polynucleotides are useful in molecular biology, including uses as  
CC hybridisation probes, in chromosome and gene mapping, in generating  
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also  
CC be used in preparing PRO polypeptides by recombinant techniques and in  
CC generating either transgenic animals or knock-out animals which are  
CC useful in the development and screening of therapeutically useful  
CC reagents. The PRO polypeptides or antibodies are used in preparing a  
CC medicament for treating a condition responsive to the polypeptides or  
CC antibodies, such as tumours, for stimulating and inhibiting proliferation  
CC of human microvascular endothelial cells, for modulating the uptake of  
CC glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte  
CC cells, for stimulating differentiation of adipocyte cells, for  
CC stimulating proliferation of or gene expression in pericyte cells, for  
CC stimulating the proliferation of inner ear utricular supporting cells or  
CC T-lymphocyte cells, for inducing endothelial cell tube formation and for  
CC treating various bone and/or cartilage disorders such as sports injuries  
CC and arthritis. PRO polypeptides which stimulate the release of  
CC proteoglycans from cartilage are useful for treating sports-related joint  
CC problems, articular cartilage defects, osteoarthritis and rheumatoid  
CC arthritis. PRO polypeptides are also useful for treating various  
CC mammalian haemoglobin-associated disorders such as various thalassaemias  
CC and conditions which may benefit from enhanced local immune system cell  
CC infiltration. This sequence represents a human PRO polypeptide of the  
CC invention. Note: The sequence data for this patent is also available in  
CC electronic format from USPTO at [seqdata.uspto.gov/sequence.html](http://seqdata.uspto.gov/sequence.html).  
XX  
SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLTVSDCAVITGACRDVCCAGTCCCAISLWRLGLRMTPLGRGEEC 60  
Dy 1 MRGATRVSIMLLTVSDCAVITGACRDVCCAGTCCCAISLWRLGLRMTPLGRGEEC 60  
Qy 61 HPGSHKVPFFPKRKHHTCPCLNLLCSRFDPGRVRCSDMLKNTNF 105  
Dy 61 HPGSHKVPFFPKRKHHTCPCLNLLCSRFDPGRVRCSDMLKNTNF 105

RESULT 194  
ADD06990  
ID ADD06990 standard; protein; 105 AA.  
XX  
AC ADD06990;  
XX  
DT 01-JAN-2004 (first entry)  
XX  
DE Novel human secreted and transmembrane protein PRO1186.  
XX  
KW Human; secreted protein; transmembrane protein; PRO;  
KW neonatal heart hypertrophy; angiogenesis;  
KW vascular endothelial growth factor; VEGF-stimulated proliferation;  
KW endothelial cell; T-lymphocyte proliferation; retinal neuron;  
KW rod photoreceptor cell; c-fos induction; adipocyte;  
KW chondrocyte differentiation; cancer; tumour; colon cancer; lung cancer;  
KW breast cancer; pancreatic beta-cell precursor cell; pancreatic beta-cell;  
KW insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;  
KW thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;  
KW polycystic kidney disease; renal tumour; neurodegenerative disorder;  
KW Parkinson's disease; Alzheimer's disease; gene therapy;  
KW chromosome mapping; gene mapping; transgenic animal; knock-out animal;  
KW antidiabetic; antianemic; cytostatic; nootropic; neuroprotective;

KW antiparkinsonian.  
XX  
OS Homo sapiens.  
XX  
PN US2002193300-A1.  
XX  
PD 19-DEC-2002.  
XX  
PF 14-NOV-2001; 2001US-00990444.  
XX  
PR 16-JUN-1997; 97US-0049787P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 05-NOV-1997; 97WO-US020089.  
PR 12-NOV-1997; 97US-0065186P.  
PR 13-NOV-1997; 97US-0065311P.  
PR 24-NOV-1997; 97US-0066770P.  
PR 25-FEB-1998; 98US-0075945P.  
PR 20-MAR-1998; 98US-0078910P.  
PR 28-APR-1998; 98US-0083322P.  
PR 07-MAY-1998; 98US-0084600P.  
PR 28-MAY-1998; 98US-0087108P.  
PR 02-JUN-1998; 98US-0087607P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 02-JUN-1998; 98US-0087759P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088021P.  
PR 04-JUN-1998; 98US-0088025P.  
PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088029P.  
PR 04-JUN-1998; 98US-0088030P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088326P.  
PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088734P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088742P.  
PR 10-JUN-1998; 98US-0088810P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 10-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088858P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 11-JUN-1998; 98US-0088875P.  
PR 12-JUN-1998; 98US-0089105P.  
PR 16-JUN-1998; 98US-0089440P.  
PR 16-JUN-1998; 98US-0089512P.  
PR 16-JUN-1998; 98US-0089514P.  
PR 17-JUN-1998; 98US-0089532P.  
PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089599P.  
PR 17-JUN-1998; 98US-0089600P.  
PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089801P.  
PR 18-JUN-1998; 98US-0089907P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 16-SEP-1998; 98WO-US019330.  
PR 17-SEP-1998; 98WO-US019437.  
PR 07-OCT-1998; 98WO-US021141.  
PR 01-DEC-1998; 98WO-US025108.  
PR 05-JAN-1999; 99WO-US000106.  
PR 08-MAR-1999; 99WO-US005028.  
PR 02-JUN-1999; 99WO-US012252.  
PR 15-SEP-1999; 99WO-US021090.  
PR 30-NOV-1999; 99WO-US021547.  
PR 01-DEC-1999; 99WO-US028313.  
PR 01-DEC-1999; 99WO-US028301.  
PR 16-DEC-1999; 99WO-US028634.  
PR 16-DEC-1999; 99WO-US030095.







or has cardiac hypertrophy, trauma, a cancer, or age-related macular degeneration. The cardiac hypertrophy is characterised by the presence of an elevated level of PGE-2 alpha. A PRO polypeptide, given in the specification, or an agonist is used to inhibit or stimulate endothelial cell growth in a mammal. PRO1376 or an agonist is used to induce cardiac hypertrophy. PRO1376 or PRO1449 is used to stimulate angiogenesis. PRO4302 or an agonist is used to induce endothelial cell apoptosis. A PRO polypeptide, given in the specification, or an agonist is used to stimulate or inhibit smooth muscle cell growth, or to induce endothelial cell tube formation. The present sequence represents the amino acid sequence of a PRO polypeptide of the invention.

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGECC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPPDGRVRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPPDGRVRCSDMLKNINF 105

#### RESULT 196

ADD09572 ID ADD09572 standard; protein; 105 AA.

XX AC ADD09572;

XX DT 01-JAN-2004 (first entry)

XX DE Human PRO polypeptide #235.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;  
XX tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;  
XX cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;  
XX liver; microvascular endothelial cell; glucose; PFA;  
XX skeletal muscle cell; adipocyte cell; pericyte cell;  
XX inner ear utricular supporting cell; T-lymphocyte cell;  
XX endothelial cell tube formation; bone disorder; cartilage disorder;  
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;  
XX rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;  
XX immune system cell infiltration.

XX OS Homo sapiens.

XX PN US2003194775-A1.

XX PD 16-OCT-2003.

XX PF 28-MAY-2002; 2002US-00156948.

XX PR 03-MAR-2000; 2000US-0187202P.

XX PR 01-DEC-2000; 2000WO-US032678.

XX PR 19-DEC-2001; 2001US-00028072.

XX PA (GETH ) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;  
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;  
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX DR WPI; 2003-852595/79.

XX DR N-PSDB; ADD03571.

XX PT New secreted and transmembrane PRO nucleic acids and polypeptides, useful  
XX for detecting a tumor, stimulating the release of tumor necrosis factor  
XX alpha from blood and stimulating the release of proteoglycans from  
XX cartilage.

XX Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and  
XX transmembrane polypeptides) and the polynucleotides encoding them. The  
XX invention also relates to an antibody which specifically binds to a PRO  
XX polypeptide, a method for stimulating the release of tumour necrosis  
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the  
XX proliferation or differentiation of chondrocyte cells and a method for  
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,  
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The  
XX polynucleotides are useful in molecular biology, including uses as  
XX hybridisation probes, in chromosome and gene mapping, in generating  
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also  
XX be used in preparing PRO polypeptides by recombinant techniques and in  
XX generating either transgenic animals or knock-out animals which are  
XX useful in the development and screening of therapeutically useful  
XX reagents. The PRO polypeptides or antibodies are used in preparing a  
XX medicament for treating a condition responsive to the polypeptides or  
XX antibodies, such as tumours, for stimulating and inhibiting proliferation  
XX of human microvascular endothelial cells, for modulating the uptake of  
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for  
XX stimulating differentiation of adipocyte cells, for stimulating  
XX proliferation of or gene expression in pericyte cells, for stimulating  
XX the proliferation of inner ear utricular supporting cells or T-lymphocyte  
XX cells, for inducing endothelial cell tube formation and for treating  
XX various bone and/or cartilage disorders such as sports injuries and  
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans  
XX from cartilage are useful for treating sports-related joint problems. PRO  
XX polypeptides are also useful for treating various mammalian haemoglobin-  
XX associated disorders such as various thalassaemias and conditions which  
XX may benefit from enhanced local immune system cell infiltration. This  
XX sequence represents a human PRO polypeptide of the invention. Note: The  
XX sequence data for this patent is also available in electronic format from  
XX USPTO at: seqdata.uspto.gov/sequence.html.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGECC 60

DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGECC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPPDGRVRCSDMLKNINF 105

DB 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFPPDGRVRCSDMLKNINF 105

#### RESULT 197

ADC83237

ID ADC83237 standard; protein; 105 AA.

XX AC ADC83237;

XX DT 01-JAN-2004 (first entry)

XX DE Human PRO polypeptide #115.

XX Human; PRO; pancreatic beta-cell precursor cell; pancreatic beta-cell;  
XX insulin deficiency; diabetes mellitus; haemoglobin-associated disorder;  
XX thalassaemia; endothelial cell growth; cancer; cystic renal dysplasia;  
XX polycystic kidney disease; renal tumour; antidiabetic; antianemic;  
XX cytostatic; cardiant; vulnery; antiinflammatory; anorectic.

XX OS Homo sapiens.

XX PN US2003059783-A1.

XX PD 27-MAR-2003.

XX	15-NOV-2001; 2001US-00997683.	PR	25-JUN-1998;	98US-0090690P.
PF		PR	25-JUN-1998;	98US-0090694P.
XX		PR	25-JUN-1998;	98US-0090695P.
PR	16-JUN-1997;	PR	25-JUN-1998;	98US-0090696P.
PR	17-OCT-1997;	PR	26-JUN-1998;	98US-0090862P.
PR	05-NOV-1997;	PR	26-JUN-1998;	98US-0090863P.
PR	12-NOV-1997;	PR	01-JUL-1998;	98US-0091360P.
PR	13-NOV-1997;	PR	01-JUL-1998;	98US-0091544P.
PR	24-NOV-1997;	PR	02-JUL-1998;	98US-0091478P.
PR	25-FEB-1998;	PR	02-JUL-1998;	98US-0091519P.
PR	20-MAR-1998;	PR	02-JUL-1998;	98US-0091626P.
PR	28-APR-1998;	PR	02-JUL-1998;	98US-0091628P.
PR	07-MAY-1998;	PR	02-JUL-1998;	98US-0091633P.
PR	28-MAY-1998;	PR	02-JUL-1998;	98US-0091646P.
PR	02-JUN-1998;	PR	02-JUL-1998;	98US-0091673P.
PR	02-JUN-1998;	PR	07-JUL-1998;	98US-0091978P.
PR	02-JUN-1998;	PR	07-JUL-1998;	98US-0091982P.
PR	03-JUN-1998;	PR	09-JUL-1998;	98US-0092182P.
PR	04-JUN-1998;	PR	10-JUL-1998;	98US-0092472P.
PR	04-JUN-1998;	PR	20-JUL-1998;	98US-0093339P.
PR	04-JUN-1998;	PR	30-JUL-1998;	98US-0094651P.
PR	04-JUN-1998;	PR	04-AUG-1998;	98US-0095282P.
PR	04-JUN-1998;	PR	04-AUG-1998;	98US-0095285P.
PR	04-JUN-1998;	PR	04-AUG-1998;	98US-0095301P.
PR	04-JUN-1998;	PR	04-AUG-1998;	98US-0095302P.
PR	04-JUN-1998;	PR	04-AUG-1998;	98US-0095318P.
PR	05-JUN-1998;	PR	04-AUG-1998;	98US-0095321P.
PR	05-JUN-1998;	PR	04-AUG-1998;	98US-0095325P.
PR	05-JUN-1998;	PR	10-AUG-1998;	98US-0095916P.
PR	09-JUN-1998;	PR	10-AUG-1998;	98US-0095929P.
PR	10-JUN-1998;	PR	11-AUG-1998;	98US-0096012P.
PR	10-JUN-1998;	PR	11-AUG-1998;	98US-0096143P.
PR	10-JUN-1998;	PR	11-AUG-1998;	98US-0096146P.
PR	10-JUN-1998;	PR	12-AUG-1998;	98US-0096329P.
PR	10-JUN-1998;	PR	17-AUG-1998;	98US-0096577P.
PR	10-JUN-1998;	PR	17-AUG-1998;	98US-0096766P.
PR	10-JUN-1998;	PR	17-AUG-1998;	98US-0096773P.
PR	11-JUN-1998;	PR	17-AUG-1998;	98US-0096781P.
PR	11-JUN-1998;	PR	17-AUG-1998;	98US-0096867P.
PR	11-JUN-1998;	PR	17-AUG-1998;	98US-0096891P.
PR	12-JUN-1998;	PR	17-AUG-1998;	98US-0096894P.
PR	16-JUN-1998;	PR	17-AUG-1998;	98US-0096895P.
PR	16-JUN-1998;	PR	17-AUG-1998;	98US-0096897P.
PR	17-JUN-1998;	PR	18-AUG-1998;	98US-0096949P.
PR	17-JUN-1998;	PR	18-AUG-1998;	98US-0096950P.
PR	17-JUN-1998;	PR	18-AUG-1998;	98US-0096959P.
PR	17-JUN-1998;	PR	18-AUG-1998;	98US-0096960P.
PR	17-JUN-1998;	PR	18-AUG-1998;	98US-0097022P.
PR	17-JUN-1998;	PR	19-AUG-1998;	98US-0097141P.
PR	18-JUN-1998;	PR	20-AUG-1998;	98US-0097218P.
PR	18-JUN-1998;	PR	24-AUG-1998;	98US-0097661P.
PR	18-JUN-1998;	PR	26-AUG-1998;	98US-0097952P.
PR	19-JUN-1998;	PR	26-AUG-1998;	98US-0097954P.
PR	19-JUN-1998;	PR	26-AUG-1998;	98US-0097955P.
PR	19-JUN-1998;	PR	26-AUG-1998;	98US-0097971P.
PR	22-JUN-1998;	PR	26-AUG-1998;	98US-0097974P.
PR	22-JUN-1998;	PR	26-AUG-1998;	98US-0097978P.
PR	22-JUN-1998;	PR	26-AUG-1998;	98US-0097979P.
PR	23-JUN-1998;	PR	26-AUG-1998;	98US-0097986P.
PR	23-JUN-1998;	PR	26-AUG-1998;	98US-0098014P.
PR	24-JUN-1998;	PR	31-AUG-1998;	98US-0098525P.
PR	24-JUN-1998;	PR	16-SEP-1998;	98US-0100634P.
PR	24-JUN-1998;	PR	16-SEP-1998;	98US-0100858P.
PR	24-JUN-1998;	PR	17-SEP-1998;	98US-0100858P.
PR	24-JUN-1998;	PR	17-SEP-1998;	98US-0100858P.
PR	24-JUN-1998;	PR	01-DEC-1998;	98US-0100858P.
PR	24-JUN-1998;	PR	22-DEC-1998;	98US-0100858P.
PR	24-JUN-1998;	PR	05-JAN-1999;	98US-0100858P.
PR	24-JUN-1998;	PR	08-MAR-1999;	98US-0100858P.
PR	25-JUN-1998;	PR	12-MAR-1999;	98US-0123957P.
PR	25-JUN-1998;	PR	02-JUN-1999;	98US-0123957P.

23-JUN-1999; 99US-0141037P.  
07-JUL-1999; 99US-0143048P.  
20-JUL-1999; 99US-0144758P.  
26-JUL-1999; 99US-0145698P.  
28-JUL-1999; 99US-0146222P.  
17-AUG-1999; 99US-0149396P.  
15-SEP-1999; 99WO-US021090.  
15-SEP-1999; 99WO-US021547.  
30-OCT-1999; 99US-0158663P.  
01-DEC-1999; 99WO-US028301.  
16-DEC-1999; 99WO-US028634.  
16-DEC-1999; 99WO-US030095.  
20-DEC-1999; 99WO-US030911.  
05-JAN-2000; 2000WO-US000219.  
06-JAN-2000; 2000WO-US000376.  
11-FEB-2000; 2000WO-US003565.  
18-FEB-2000; 2000WO-US004341.  
22-FEB-2000; 2000WO-US004414.  
24-FEB-2000; 2000WO-US004914.  
24-FEB-2000; 2000WO-US005004.  
02-MAR-2000; 2000WO-US005941.  
10-MAR-2000; 2000WO-US006319.  
15-MAR-2000; 2000WO-US006984.  
20-MAR-2000; 2000WO-US007377.  
30-MAR-2000; 2000WO-US008439.  
15-MAY-2000; 2000WO-US013358.  
17-MAY-2000; 2000WO-US013705.  
22-MAY-2000; 2000WO-US014042.  
30-MAY-2000; 2000WO-US014941.  
02-JUN-2000; 2000WO-US015264.  
23-JUN-2000; 2000US-0213637P.  
28-JUL-2000; 2000WO-US020710.  
11-AUG-2000; 2000WO-US022031.  
23-AUG-2000; 2000WO-US023522.  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54; Indels 0; Gaps 0;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWRLGRMCTPLGREGEC 60  
Db 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWRLGRMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRFPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRFPDGRYRCSMDLKNINF 105  
RESULT 198  
ADD50830  
ID ADD50830 standard; protein; 105 AA.  
AC ADD50830;  
XX  
XX  
DT 15-JAN-2004 (first entry)  
XX  
DE Novel human secreted and transmembrane protein PRO1186.  
XX Human; secreted and transmembrane protein; PRO; cytostatic; vulnery;  
KW antiarthritic; pericyte cell proliferation;  
KW pericyte cell differentiation; chondrocyte cell proliferation;  
KW chondrocyte cell differentiation; tumour necrosis factor alpha release;  
KW (TNF)-alpha release; dermal fibroblast cell proliferation;  
KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;  
KW colon tumour; breast tumour; prostate tumour; rectal tumour;  
KW liver tumour; tissue typing; chromosome mapping; gene therapy;  
XX  
XX Homo sapiens.  
OS  
XX  
PN US2003105291-A1.  
XX

05-JUN-2003.  
26-AUG-2002; 2002US-00227877.  
29-JUN-2001; 2001WO-US021066.  
09-APR-2002; 2002US-00119480.  
(GETH ) GENENTECH INC.  
Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
WPI; 2003-829361/77.  
DR N-PSDB; ADD50829.  
XX  
PT New isolated nucleic acid encoding a secreted and transmembrane  
polyptide (PRO), for use in recombinantly producing a PRO polyptide,  
as a hybridization probe, and in gene therapy.  
XX  
XX Claim 11; Fig 166; 308pp; English.  
XX  
CC The invention describes an isolated PRO (secreted and transmembrane)  
polyptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polyptide are  
useful for stimulating the proliferation of or gene expression in  
pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polyptide are useful  
for stimulating the proliferation or differentiation of chondrocyte  
cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polyptide  
are useful for stimulating the release of tumour necrosis factor (TNF)-  
alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,  
PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,  
PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,  
PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,  
PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1338,  
PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1517, PRO1567,  
PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,  
PRO3940, PRO6079, PRO9836 or PRO10096 polyptide are useful for  
stimulating the proliferation of normal human dermal fibroblasts cells.  
PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,  
PRO5723, PRO5725, PRO7154, or PRO7425 polyptide are useful for  
inhibiting the proliferation of normal human dermal fibroblast cells. PRO  
polyptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,  
are useful for detecting the presence of tumour in a mammal which  
involves comparing the level of expression of the above PRO polyptides  
in a test sample of cells taken from the mammal, and a control sample of  
normal cells of the same cell type, where a higher level of expression of  
the PRO polyptides in the test sample as compared to the control sample  
is indicative of the presence of tumour in the mammal. The tumour is lung  
tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or  
liver tumour. (I) is useful as molecular weight markers, for tissue  
typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is  
useful for chromosome and gene mapping or gene therapy. (II) is useful  
for generating transgenic animals or knock-out animals which are useful  
screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polyptide  
is useful for treating bone and/or cartilage disorders (e.g., arthritis,  
CC sport injuries). This is the amino acid sequence of a human secreted and  
transmembrane PRO polyptide.  
XX  
XX Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54; Indels 0; Gaps 0;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWRLGRMCTPLGREGEC 60  
Db 1 MRGATRVSIMLLLVTSVDCAVITGACERDVQCGAGTCCCAISLWRLGRMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRFPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRFPDGRYRCSMDLKNINF 105  
RESULT 199

ADD41285

ID ADD41285 standard; protein; 105 AA.

XX AC ADD41285;

XX DT 15-JAN-2004 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1186.

XX KW Human; secreted and transmembrane protein; PRO;

XX KW Tumour necrosis factor alpha release; TNF-alpha release;

XX KW Glucose uptake modulator; FFA uptake modulator;

XX KW Cell proliferation stimulator; cell differentiation stimulator;

XX KW Cell differentiation inhibitor; cytokine release stimulator; tumour;

XX KW Lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;

XX KW Cervical tumour; liver tumour; chromosome mapping; gene mapping;

XX KW Gene therapy; chromosome identification; chromosome marker.

XX OS Homo sapiens.

XX FN US2003203438-A1.

XX PD 30-OCT-2003.

XX PF 15-MAY-2002; 2002US-00146786.

XX PR 24-NOV-1997; 97US-0066511P.

XX PR 16-SEP-1998; 98WO-US019330.

XX PR 25-AUG-1999; 99US-00380139.

XX PR 22-FEB-2000; 2000WO-US004414.

XX PR 01-DEC-2000; 2000WO-US032678.

XX PR 19-DEC-2001; 2001US-00028072.

XX PA (GETH ) GENENTECH INC.

XX FI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;

XX FI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

XX FI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX DR WPI; 2003-875645/81.

XX DR N-PSDB; ADD41284.

XX FT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or

XX FT PRO4978, useful in molecular biology, chromosome and gene mapping, in

XX FT generating antisense RNA and DNA, and in gene therapy.

XX PS Claim 12; SEQ ID NO 470; 637pp; English.

XX CC The invention describes 305 nucleic acids encoding PRO (secreted and  
transmembrane) polypeptides (i). (i) is useful for stimulating the  
release of TNF-alpha from human blood, for modulating the uptake of  
glucose or FFA by skeletal muscle cells or adipocyte cells, for  
stimulating the proliferation or differentiation of chondrocyte cells,  
for stimulating the proliferation or gene expression in pericyte  
cells, for stimulating the release of proteoglycans from cartilage, for  
stimulating the proliferation of inner ear utricular supporting cells,  
for stimulating the proliferation of T-lymphocyte cells, for stimulating  
the release of a cytokine from BMC cells, for inhibiting the binding of  
A-peptide to factor VIIa, for inhibiting the differentiation of adipocyte  
cells, for stimulating proliferation of endothelial cells, for detecting  
the presence of tumour in a mammal. The tumour is lung, colon, breast,  
prostate, rectal, cervical or liver tumour. The oligonucleotide probes  
are useful for isolating genomic and cDNA nucleotide sequences or  
antisense probes. (i) is also useful as therapeutic agent. PRO is useful  
in assays to identify other proteins or molecules involved in binding  
interaction. A polynucleotide (ii) encoding (i) is useful in chromosome  
and gene mapping, in generation of antisense RNA and DNA, in the  
preparation of PRO polypeptide, for generating transgenic animals or  
knockout animals which in turn are useful in the development and  
screening of therapeutically useful reagents, in gene therapy, for  
chromosome identification, as chromosome marker, and for generating  
probes. An anti-(i)-antibody is useful in diagnostic assays for PRO, e.g.  
detecting its expression in specific cells, tissues or serum, and for

CC affinity purification of PRO from recombinant cell culture or natural  
sources. (i) and (ii) are useful for tissue typing. This is the amino  
acid sequence of a novel human secreted and transmembrane PRO  
polypeptide.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSMILLVTVSDCAVITGACERDVOCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

Db 1 MEGATRVSMILLVTVSDCAVITGACERDVOCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 200

ADDS2424

ID ADD52424 standard; protein; 105 AA.

XX AC ADD52424;

XX DT 15-JAN-2004 (first entry)

XX DE Human PRO polypeptide #235.

XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;

XX KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

XX KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

XX KW liver; microvascular endothelial cell; glucose; FFA;

XX KW skeletal muscle cell; adipocyte cell; pericyte cell;

XX KW inner ear utricular supporting cell; T-lymphocyte cell;

XX KW endothelial cell tube formation; bone disorder; cartilage disorder;

XX KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;

XX KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;

XX KW immune system cell infiltration.

XX OS Homo sapiens.

XX PN US2003194769-A1.

XX PD 16-OCT-2003.

XX PF 21-MAY-2002; 2002US-00152374.

XX PR 09-DEC-1999; 99US-0170262P.

XX PR 01-DEC-2000; 2000WO-US032678.

XX PR 19-DEC-2001; 2001US-00028072.

XX PA (GETH ) GENENTECH INC.

XX PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;

XX PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

XX PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX DR WPI; 2003-852593/79.

XX DR N-PSDB; ADD52423.

XX PT New isolated, secreted and transmembrane PRO polypeptides and nucleic  
acids, useful for detection of tumours, modulating the uptake of glucose  
or free fatty acids and stimulating the release of proteoglycans from  
cartilage.

XX PS Claim 12; Fig 470; 637pp; English.

XX CC The invention relates to isolated human PRO polypeptides (secreted and  
transmembrane polypeptides) and the polynucleotides encoding them. The  
invention also relates to an antibody which specifically binds to a PRO  
polypeptide, a method for stimulating the release of tumour necrosis

factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassaemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from the USPTO website at [seqdata.uspto.gov](http://seqdata.uspto.gov).

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 7; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVSIMLLLVTSDDCAVITGACERDVQCGAGTCCALSLWLRGIMCTPLRGEGEC 60  
Db 1 MRGATRVSIMLLLVTSDDCAVITGACERDVQCGAGTCCALSLWLRGIMCTPLRGEGEC 60  
Qy 61 HPGSHKVPFFFRKHKHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFFRKHKHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105

Search completed: August 30, 2004, 07:05:53  
Job time : 146 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 30, 2004, 07:03:21 ; Search time 47 seconds

(without alignments)  
702.859 Million cell updates/sec

Title: US-10-027-603-2

Perfect score: 589

Sequence: 1 MRGATRVSIMLLVTSVDCAL.....CSRFPDGRYRCSMDLKNLF 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1297172 seqs, 314612898 residues

Total number of hits satisfying chosen parameters: 634

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 250 summaries

Database : Published Applications AA.\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	589	100.0	105	9	US-09-989-723-371 Sequence 371, App
3	589	100.0	105	9	US-09-989-279-371 Sequence 371, App
4	589	100.0	105	9	US-09-989-727-371 Sequence 371, App
5	589	100.0	105	9	US-09-989-731-371 Sequence 371, App
6	589	100.0	105	9	US-09-989-733-371 Sequence 371, App
7	589	100.0	105	9	US-09-991-073-371 Sequence 371, App
8	589	100.0	105	9	US-09-990-442-371 Sequence 371, App
9	589	100.0	105	9	US-09-991-163-371 Sequence 371, App
10	589	100.0	105	9	US-09-993-604-371 Sequence 371, App
11	589	100.0	105	9	US-09-990-456-371 Sequence 371, App
12	589	100.0	105	9	US-09-989-721-371 Sequence 371, App
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14	589	100.0	105	9	US-09-886-242A-371 Sequence 271, Appli
15	589	100.0	105	9	US-09-989-293A-371 Sequence 371, App

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235 589 100.0 105 14 US-10-128-694A-470 Sequence 470, App  
236 589 100.0 105 14 US-10-131-825A-470 Sequence 470, App  
237 589 100.0 105 14 US-10-230-417-470 Sequence 470, App  
238 589 100.0 105 14 US-10-219-003-166 Sequence 166, App  
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249 589 100.0 105 14 US-10-131-821A-470 Sequence 470, App  
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## ALIGNMENTS

RESULT 1  
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; Sequence 371, Application US/09989722  
; Patent No. US20020072067A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gieritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC63  
; CURRENT APPLICATION NUMBER: US/09/989,722  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
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; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09  
  
Query Match 100.0%; Score 589; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCATSLWLRGLRMCTPLGREGEEC 60  
QY 61 HPGSKVPPFFRRKRKHTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSKVPPFFRRKRKHTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105  
  
RESULT 2  
US-09-989-723-371  
; Sequence 371, Application US/09989723  
; Patent No. US20020072092A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC62  
; CURRENT APPLICATION NUMBER: US/09/989,723  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
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74	PRIOR FILING DATE: 1998-07-07
75	PRIOR APPLICATION NUMBER: 60/091982
76	PRIOR FILING DATE: 1998-07-07
77	PRIOR APPLICATION NUMBER: 60/092182
78	PRIOR FILING DATE: 1998-07-07







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QY 61 HPGSHKVPFFRRKHKHTCTCLPNLLCSRPDPGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRRKHKHTCTCLPNLLCSRPDPGRYRCSMDLKNINF 105

RESULT 5

US-09-989-731-371  
; Sequence 371, Application US/09989731  
; Patent No. US20020103125A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Deshoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
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; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC70  
; CURRENT APPLICATION NUMBER: US/09/989,731  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 60/049787  
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 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCATSLWLRGLRMCTPLGREGEC 60  
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QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPGRYRCSDMLKNINF 105  
 RESULT 6  
 US-09-989-732-371  
 ; Sequence 371, Application US/09989732  
 ; Patent No. US20020123463A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
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 ; APPLICANT: Tamas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P27301C57  
 ; CURRENT APPLICATION NUMBER: US/09/989.732  
 ; CURRENT FILING DATE: 2001-11-19  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCCAGTCCCAISLWLRGIMCTPLGRGEEC 60  
Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCCAGTCCCAISLWLRGIMCTPLGRGEEC 60  
Qy 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRPDPGRYCSMDLKNINF 105

Db 61 HPGSHKVPFRKRKHHTCPCLPNLLCSRFDPGRVRCSDMLKNINF 105

## RESULT 7

US-09-991-073-371

; Sequence 371, Application US/09991073

; Patent No. US20020127576A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P273P1C15

; CURRENT APPLICATION NUMBER: US/09/991,073

; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945

; PRIOR FILING DATE: 1998-02-25

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/083322

; PRIOR FILING DATE: 1998-04-28

; PRIOR APPLICATION NUMBER: 60/084600

; PRIOR FILING DATE: 1998-05-07

; PRIOR APPLICATION NUMBER: 60/087106

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; PRIOR APPLICATION NUMBER: 60/087827

; PRIOR FILING DATE: 1998-06-03

; PRIOR APPLICATION NUMBER: 60/088021

; PRIOR FILING DATE: 1998-06-04

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; PRIOR FILING DATE: 1998-06-22

; PRIOR APPLICATION NUMBER: 60/090252

; PRIOR FILING DATE: 1998-06-22

; PRIOR APPLICATION NUMBER: 60/090254

RESULT 8

US/09-990-442-371

Sequence 371, Application US/09990442

Patent No. US2002012252A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kijavini, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Proteins

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P2730P18

CURRENT APPLICATION NUMBER: US/09/990,442

CURRENT FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

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PRIOR APPLICATION NUMBER: 60/083322

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PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28

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PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/089030

	Query Match	100.0%	Score 589	DB 9	Length 105	
	Best Local Similarity	100.0%	Pred. No. 2.6e-55			
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Db	1	MRGATRVISIMLLLVTSDDCAVITGACERDVOCGAGTCCTCAISLWLRGLRMCTPLGREGEC	60			
Qy	61	HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF	105			
Db	61	HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF	105			

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 / PRIOR FILING DATE: 1998-06-26  
 / PRIOR APPLICATION NUMBER: 60/091360  
 / PRIOR FILING DATE: 1998-07-01  
 / PRIOR APPLICATION NUMBER: 60/091478  
 / PRIOR FILING DATE: 1998-07-02  
 / PRIOR APPLICATION NUMBER: 60/091544  
 / PRIOR FILING DATE: 1998-07-01  
 / PRIOR APPLICATION NUMBER: 60/091519  
 / PRIOR FILING DATE: 1998-07-02  
 / PRIOR APPLICATION NUMBER: 60/091626  
 / PRIOR FILING DATE: 1998-07-02  
 / PRIOR APPLICATION NUMBER: 60/091633  
 / PRIOR FILING DATE: 1998-07-02  
 / PRIOR APPLICATION NUMBER: 60/091978  
 / PRIOR FILING DATE: 1998-07-07  
 / PRIOR APPLICATION NUMBER: 60/091982  
 / PRIOR FILING DATE: 1998-07-07  
 / PRIOR APPLICATION NUMBER: 60/092182  
 / PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCATSLNLRGLRMTPLGREGEEC 60  
 |||||  
 Db 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCATSLNLRGLRMTPLGREGEEC 60

QY 61 HPGSHKVPFFFRKHHTCPCPLNLLCSRFDPGRVRCSDMLKNINF 105  
 |||||

Db 61 HPGSHKVPFFFRKHHTCPCPLNLLCSRFDPGRVRCSDMLKNINF 105  
 |||||

RESULT 9  
 US-09-991-163-371  
 ; Sequence 371, Application US/09991163

Patent No. US20020132253A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C17  
CURRENT APPLICATION NUMBER: US/09/991,163  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-05-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
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PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
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;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;

Best Local Similarity 100.0%; Pred. No. 2,6e-55; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCALSLMLRGLRMCTPI:GREGEEC 60

Qy 61 HPGSHKVPFFKXKHHKTCPLNLLCSRFDPDGRVRCSDMLKNINF 105

Db 61 HPGSHKVPFFKXKHHKTCPLNLLCSRFDPDGRVRCSDMLKNINF 105

RESULT 10

US-09-993-604-371

; Sequence 371, Application US/09993604

; Patent No. US20020137075A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Eaton, Dan L.  
;; APPLICANT: Ferrara, Napoleone  
;; APPLICANT: Fong, Sherman  
;; APPLICANT: Gerber, Hanspeter  
;; APPLICANT: Gerritsen, Wally E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
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;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730P1C25  
;; CURRENT APPLICATION NUMBER: US/09/993,604  
;; PRIOR FILING DATE: 2001-11-14  
;; PRIOR APPLICATION NUMBER: 60/049787  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2,6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 HPGSHKVPFFRKXKHTCCPLNLLCSRFDPGRYCRSMDLKINF 105

RESULT 11  
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; Sequence 371, Application US/09990456  
; Patent No. US20020137890A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc

APPLICANT: Baton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Geritsen, Mary E.  
APPLICANT: Godard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
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APPLICANT: Kljavin, Ivar J.  
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APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730PIC22  
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;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55; Mismatches 0; Indels 0; Gaps 0;  
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QY 1 MEGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCATISLWLRGLRMCTPLGREGEEC 60

DB 1 MEGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCATISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRKRRKHTCTPLNLICSRFPDGRYRCSMDLKNINF 105

DB 61 HPGSHKVPFFRKRRKHTCTPLNLICSRFPDGRYRCSMDLKNINF 105

RESULT 12

US-09-989-721-371

; Sequence 371, Application US/09989721

; Patent No. US20020142961A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

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; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P27301C55  
; CURRENT APPLICATION NUMBER: US/09/989,721  
; CURRENT FILING DATE: 2001-11-19  
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 ; PRIOR FILING DATE: 1998-07-09

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 ; Sequence 371, Application US/09992598  
 ; Patent No. US20020160384A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C20  
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PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

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DB 61 HPGSHKVPFFRRKRKHTCPCPLNLLCSRFDPGRYRCSDMLKNINF 105

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Sequence 2, Application US/09886242A  
Patent No. US20020172678A1  
GENERAL INFORMATION:  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Watanabe, Colin  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: EG-VEGF NUCLEIC ACIDS AND POLYPEPTIDES  
TITLE OF INVENTION: AND METHODS OF USE  
FILE REFERENCE: GENENT.1516A  
CURRENT APPLICATION NUMBER: US/09/886,242A  
CURRENT FILING DATE: 2001-06-20  
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PRIOR FILING DATE: 2000-09-07  
PRIOR APPLICATION NUMBER: US 60/213,637  
PRIOR FILING DATE: 2000-06-23  
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PRIOR FILING DATE: 2000-12-01  
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PRIOR FILING DATE: 2000-03-30  
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PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
PRIOR APPLICATION NUMBER: PCT/US99/12252  
PRIOR FILING DATE: 1999-06-02  
PRIOR APPLICATION NUMBER: US 09/709,238  
PRIOR FILING DATE: 2000-11-08  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo sapiens  
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US-09-886-242A-2

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Sequence 371, Application US/09989293A  
Patent No. US20020177164A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
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APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
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RESULT 16
US-09-965-528-11
; Sequence 11, Application US/09965528
; Publication No. US20020187523A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: TANG, Y. Tom
; APPLICANT: YUE, Henry
; APPLICANT: LAL, Preeti
; APPLICANT: BURFORD, Neil
; APPLICANT: BANDMAN, Olga
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: AZIMZAI, Valda
; APPLICANT: LU, Dzung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: EXTRACELLULAR SIGNALING MOLECULES
; FILE REFERENCE: PF-0701 USA
; CURRENT APPLICATION NUMBER: US/09/965,528
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/134,949
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/144,270
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: 60/146,700
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 60/157,508
; PRIOR FILING DATE: 1999-10-04
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PERL Program
; SEQ ID NO 11
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020187523A1 2006548CD1
US-09-965-528-11

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Query Match      100.0%; Score 589; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGERC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGERC 60

QY 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105
Db 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

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RESULT 17
US-09-989-735-371
; Sequence 371, Application US/09899735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaudo, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C61
; CURRENT APPLICATION NUMBER: US/09/989,735
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065196
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02

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1	PRIOR FILING DATE: 1998-06-19	
2	PRIOR APPLICATION NUMBER: 60/089948	
3	PRIOR FILING DATE: 1998-06-19	
4	PRIOR APPLICATION NUMBER: 60/089952	
5	PRIOR FILING DATE: 1998-06-19	
6	PRIOR APPLICATION NUMBER: 60/090246	
7	PRIOR FILING DATE: 1998-06-22	
8	PRIOR APPLICATION NUMBER: 60/090252	
9	PRIOR FILING DATE: 1998-06-22	
10	PRIOR APPLICATION NUMBER: 60/090254	
11	PRIOR FILING DATE: 1998-06-22	
12	PRIOR APPLICATION NUMBER: 60/090349	
13	PRIOR FILING DATE: 1998-06-23	
14	PRIOR APPLICATION NUMBER: 60/090355	
15	PRIOR FILING DATE: 1998-06-23	
16	PRIOR APPLICATION NUMBER: 60/090429	
17	PRIOR FILING DATE: 1998-06-24	
18	PRIOR APPLICATION NUMBER: 60/090433	
19	PRIOR FILING DATE: 1998-06-24	
20	PRIOR APPLICATION NUMBER: 60/090435	
21	PRIOR FILING DATE: 1998-06-24	
22	PRIOR APPLICATION NUMBER: 60/090444	
23	PRIOR FILING DATE: 1998-06-24	
24	PRIOR APPLICATION NUMBER: 60/090445	
25	PRIOR FILING DATE: 1998-06-24	
26	PRIOR APPLICATION NUMBER: 60/090472	
27	PRIOR FILING DATE: 1998-06-24	
28	PRIOR APPLICATION NUMBER: 60/090535	
29	PRIOR FILING DATE: 1998-06-24	
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35	PRIOR FILING DATE: 1998-06-24	
36	PRIOR APPLICATION NUMBER: 60/090676	
37	PRIOR FILING DATE: 1998-06-25	
38	PRIOR APPLICATION NUMBER: 60/090678	
39	PRIOR FILING DATE: 1998-06-25	
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41	PRIOR FILING DATE: 1998-06-25	
42	PRIOR APPLICATION NUMBER: 60/090694	
43	PRIOR FILING DATE: 1998-06-25	
44	PRIOR APPLICATION NUMBER: 60/090695	
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46	PRIOR APPLICATION NUMBER: 60/090696	
47	PRIOR FILING DATE: 1998-06-25	
48	PRIOR APPLICATION NUMBER: 60/090862	
49	PRIOR FILING DATE: 1998-06-26	
50	PRIOR APPLICATION NUMBER: 60/090863	
51	PRIOR FILING DATE: 1998-06-26	
52	PRIOR APPLICATION NUMBER: 60/091360	
53	PRIOR FILING DATE: 1998-07-01	
54	PRIOR APPLICATION NUMBER: 60/091478	
55	PRIOR FILING DATE: 1998-07-02	
56	PRIOR APPLICATION NUMBER: 60/091544	
57	PRIOR FILING DATE: 1998-07-01	
58	PRIOR APPLICATION NUMBER: 60/091519	
59	PRIOR FILING DATE: 1998-07-02	
60	PRIOR APPLICATION NUMBER: 60/091626	
61	PRIOR FILING DATE: 1998-07-02	
62	PRIOR APPLICATION NUMBER: 60/091633	
63	PRIOR FILING DATE: 1998-07-02	
64	PRIOR APPLICATION NUMBER: 60/091978	
65	PRIOR FILING DATE: 1998-07-07	
66	PRIOR APPLICATION NUMBER: 60/091982	
67	PRIOR FILING DATE: 1998-07-07	
68	PRIOR APPLICATION NUMBER: 60/092182	
69	PRIOR FILING DATE: 1998-07-09	

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Length 105;
Indels   0; Gaps  0;

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Qy 1 MRGATRVISIMLLVTSDCAVITGACERDVQCGAGTCCALSLWGLRMCTPLGRSGEEC 60  
Db 1 MRGATRVISIMLLVTSDCAVITGACERDVQCGAGTCCALSLWGLRMCTPLGRSGEEC 60  
Qy 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

## RESULT 18

US-09-990-444-371  
; Sequence 371, Application US/09990444  
; Publication No. US20020193300A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gertschen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C19  
; CURRENT APPLICATION NUMBER: US/09/990,444  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
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; PRIOR APPLICATION NUMBER: 60/075945  
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; PRIOR APPLICATION NUMBER: 60/078910  
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; PRIOR FILING DATE: 1998-06-03  
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; PRIOR FILING DATE: 1998-06-04  
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; PRIOR FILING DATE: 1998-06-19



1 PRIOR APPLICATION NUMBER: 60/089952  
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3 PRIOR APPLICATION NUMBER: 60/090246  
4 PRIOR FILING DATE: 1998-06-22  
5 PRIOR APPLICATION NUMBER: 60/090252  
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7 PRIOR APPLICATION NUMBER: 60/090254  
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13 PRIOR APPLICATION NUMBER: 60/090429  
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38 PRIOR FILING DATE: 1998-06-25  
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55 PRIOR APPLICATION NUMBER: 60/091519  
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57 PRIOR APPLICATION NUMBER: 60/091626  
58 PRIOR FILING DATE: 1998-07-02  
59 PRIOR APPLICATION NUMBER: 60/091633  
60 PRIOR FILING DATE: 1998-07-02  
61 PRIOR APPLICATION NUMBER: 60/091978  
62 PRIOR FILING DATE: 1998-07-07  
63 PRIOR APPLICATION NUMBER: 60/091982  
64 PRIOR FILING DATE: 1998-07-07  
65 PRIOR APPLICATION NUMBER: 60/092182  
66 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGEC 60

Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGEC 60  
Qy 61 HPGSHKVPFRKRGHTCPCLNLLCSRPPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFRKRGHTCPCLNLLCSRPPDGRYRCSDMLKNINF 105

## RESULT 19

US-09-991-181-371  
; Sequence 371, Application US/09991181  
; Publication No. US20020197615A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C53  
; CURRENT APPLICATION NUMBER: US/09/991,181  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
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 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55; Mismatches 0; Indels 0; Gaps 0;  
 Matches 105; Conservative 0;

QY 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGGEC 60  
 DB 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGGEC 60  
 QY 61 HPGSHKVPFFRKRKHTCPLNLLCSFFPDGRYRCMDLKNINF 105

Db 61 HPGSHKVPFRKRRKHTCTCLPNNLCSPFRDGRYCSMDLKNINF 105

## RESULT 20

US-09-989-730-371  
; Sequence 371, Application US/09989730  
; Publication No. US20020197674A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Raton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC69  
; CURRENT APPLICATION NUMBER: US/09/989,730  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.08; Score 589; DB 9; Length 105;  
Best Local Similarity 100.08; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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DB 1 MRGATRVIMLLIVTSVCVITGACERDVCGAGTCCATSLWLRGLRMTCTPLGREGEC 60  
  
QY 61 HPGSHKVPFFRKHKHTCTCPLNLLCSRFPPGRCVCSMDLNINF 105  
DB 61 HPGSHKVPFFRKHKHTCTCPLNLLCSRFPPGRCVCSMDLNINF 105

RESULT 21  
US-09-990-436-371  
; Sequence 371, Application US/09990436  
; Publication No. US20020198148A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Bolstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
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; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
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; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Klijavin, Ivar J.  
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; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C14  
; CURRENT APPLICATION NUMBER: US/09/990.436  
; CURRENT FILING DATE: 2001-11-14  
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PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWRLGLRMTCTPLGREGEC 60
Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWRLGLRMTCTPLGREGEC 60
Qy 61 HPGSHKVPFFRKHKHTCPCLPNLGSRPPDGRYRCMDLKNINF 105
Db 61 HPGSHKVPFFRKHKHTCPCLPNLGSRPPDGRYRCMDLKNINF 105

RESULT 22
US-09-993-687-371

Sequence 371, Application US/09993687  
Publication No. US20020198149A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C11  
CURRENT APPLICATION NUMBER: US/09/993,687  
PRIOR FILING DATE: 2002-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
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PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
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Dd |||||  
QY 61 HPGSHKVPFRRKRKHTCPCLPNLCSRFPDGRYCSVDLKNINF 105  
Dd |||||  
QY 61 HPGSHKVPFRRKRKHTCPCLPNLCSRFPDGRYCSVDLKNINF 105  
Dd |||||

RESULT 23  
US-09-989-734-371  
Sequence 371, Application US/09989734  
Publication No. US2003000331A1  
GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Geider, Hanspeter  
APPLICANT: Gerdtzen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pal, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C64  
CURRENT FILING DATE: 2001-11-19  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRGATRVSMILLVTVSDCAVITGACERDVQAGTCCCAISLWLRGLMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKXKHTCPLNLLCSRFPDGRYCSMDLNINF 105

Db 61 HPGSHKVPFFRKXKHTCPLNLLCSRFPDGRYCSMDLNINF 105

RESULT 24

US-09-997-653-371  
; Sequence 371, Application US/09997653  
; Publication No. US20030008297A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David



APPLICANT: Desnoyers, Luc  
APPLICANT: Baton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC38  
CURRENT APPLICATION NUMBER: US/09/997,553  
CURRENT FILING DATE: 2001-11-15  
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 PRIOR APPLICATION NUMBER: 60/091982  
 PRIOR FILING DATE: 1998-07-07  
 PRIOR APPLICATION NUMBER: 60/092182  
 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2,6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVISMLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRSGEEC 60  
 Db 1 MRGATRVISMLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRSGEEC 60  
 QY 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFFPKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 25

US-09-993-667-371  
 Sequence 371, Application US/09993667  
 Publication No US20030022187A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi J.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan L.  
 APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Kljavin, Ivar J.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 FILE OF INVENTION: Acids Encoding the Same  
 FILE REFERENCE: P2730P1C4  
 CURRENT APPLICATION NUMBER: US/09/993,667  
 CURRENT FILING DATE: 2001-11-14  
 PRIOR APPLICATION NUMBER: 60/049787  
 PRIOR FILING DATE: 1997-06-16  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/065186  
 PRIOR FILING DATE: 1997-11-12  
 PRIOR APPLICATION NUMBER: 60/065311  
 PRIOR FILING DATE: 1997-11-13  
 PRIOR APPLICATION NUMBER: 60/066770  
 PRIOR FILING DATE: 1997-11-24  
 PRIOR APPLICATION NUMBER: 60/075945  
 PRIOR FILING DATE: 1998-02-25  
 PRIOR APPLICATION NUMBER: 60/078910  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/083322  
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 PRIOR FILING DATE: 1998-05-07  
 PRIOR APPLICATION NUMBER: 60/087106  
 PRIOR FILING DATE: 1998-05-28  
 PRIOR APPLICATION NUMBER: 60/087607  
 PRIOR FILING DATE: 1998-06-02  
 PRIOR APPLICATION NUMBER: 60/087609  
 PRIOR FILING DATE: 1998-06-02  
 PRIOR APPLICATION NUMBER: 60/087759  
 PRIOR FILING DATE: 1998-06-02  
 PRIOR APPLICATION NUMBER: 60/087827  
 PRIOR FILING DATE: 1998-06-03  
 PRIOR APPLICATION NUMBER: 60/088021  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088025  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088026  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088028  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088029  
 PRIOR FILING DATE: 1998-06-04  
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 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088033  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088326  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088167  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088202  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088212  
 PRIOR FILING DATE: 1998-06-05

1	PRIOR APPLICATION NUMBER: 60/089217
2	PRIOR FILING DATE: 1998-06-05
3	PRIOR APPLICATION NUMBER: 60/089655
4	PRIOR FILING DATE: 1998-06-09
5	PRIOR APPLICATION NUMBER: 60/089734
6	PRIOR FILING DATE: 1998-06-10
7	PRIOR APPLICATION NUMBER: 60/089738
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9	PRIOR APPLICATION NUMBER: 60/089742
10	PRIOR FILING DATE: 1998-06-10
11	PRIOR APPLICATION NUMBER: 60/088910
12	PRIOR FILING DATE: 1998-06-10
13	PRIOR APPLICATION NUMBER: 60/088924
14	PRIOR FILING DATE: 1998-06-10
15	PRIOR APPLICATION NUMBER: 60/088926
16	PRIOR FILING DATE: 1998-06-10
17	PRIOR APPLICATION NUMBER: 60/088958
18	PRIOR FILING DATE: 1998-06-11
19	PRIOR APPLICATION NUMBER: 60/088961
20	PRIOR FILING DATE: 1998-06-11
21	PRIOR APPLICATION NUMBER: 60/088976
22	PRIOR FILING DATE: 1998-06-11
23	PRIOR APPLICATION NUMBER: 60/089105
24	PRIOR FILING DATE: 1998-06-12
25	PRIOR APPLICATION NUMBER: 60/089440
26	PRIOR FILING DATE: 1998-06-16
27	PRIOR APPLICATION NUMBER: 60/089512
28	PRIOR FILING DATE: 1998-06-16
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30	PRIOR FILING DATE: 1998-06-16
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36	PRIOR FILING DATE: 1998-06-17
37	PRIOR APPLICATION NUMBER: 60/089599
38	PRIOR FILING DATE: 1998-06-17
39	PRIOR APPLICATION NUMBER: 60/089600
40	PRIOR FILING DATE: 1998-06-17
41	PRIOR APPLICATION NUMBER: 60/089653
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44	PRIOR FILING DATE: 1998-06-18
45	PRIOR APPLICATION NUMBER: 60/089907
46	PRIOR FILING DATE: 1998-06-18
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50	PRIOR FILING DATE: 1998-06-19
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55	PRIOR APPLICATION NUMBER: 60/090246
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58	PRIOR FILING DATE: 1998-06-22
59	PRIOR APPLICATION NUMBER: 60/090254
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61	PRIOR APPLICATION NUMBER: 60/090349
62	PRIOR FILING DATE: 1998-06-23
63	PRIOR APPLICATION NUMBER: 60/090355
64	PRIOR FILING DATE: 1998-06-23
65	PRIOR APPLICATION NUMBER: 60/090429
66	PRIOR FILING DATE: 1998-06-24
67	PRIOR APPLICATION NUMBER: 60/090431
68	PRIOR FILING DATE: 1998-06-24
69	PRIOR APPLICATION NUMBER: 60/090435
70	PRIOR FILING DATE: 1998-06-24
71	PRIOR APPLICATION NUMBER: 60/090444
72	PRIOR FILING DATE: 1998-06-24
73	PRIOR APPLICATION NUMBER: 60/090445

1	PRIOR FILING DATE: 1998-06-24	
2	PRIOR APPLICATION NUMBER: 60/090472	
3	PRIOR FILING DATE: 1998-06-24	
4	PRIOR APPLICATION NUMBER: 60/090535	
5	PRIOR FILING DATE: 1998-06-24	
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13	PRIOR FILING DATE: 1998-06-25	
14	PRIOR APPLICATION NUMBER: 60/090678	
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16	PRIOR APPLICATION NUMBER: 60/090690	
17	PRIOR FILING DATE: 1998-06-25	
18	PRIOR APPLICATION NUMBER: 60/090694	
19	PRIOR FILING DATE: 1998-06-25	
20	PRIOR APPLICATION NUMBER: 60/090695	
21	PRIOR FILING DATE: 1998-06-25	
22	PRIOR APPLICATION NUMBER: 60/090696	
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29	PRIOR FILING DATE: 1998-07-01	
30	PRIOR APPLICATION NUMBER: 60/091478	
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33	PRIOR FILING DATE: 1998-07-01	
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37	PRIOR FILING DATE: 1998-07-02	
38	PRIOR APPLICATION NUMBER: 60/091633	
39	PRIOR FILING DATE: 1998-07-02	
40	PRIOR APPLICATION NUMBER: 60/091978	
41	PRIOR FILING DATE: 1998-07-07	
42	PRIOR APPLICATION NUMBER: 60/091982	
43	PRIOR FILING DATE: 1998-07-07	
44	PRIOR APPLICATION NUMBER: 60/092182	
45	PRIOR FILING DATE: 1998-07-09	

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105: Conservative 0; Mismatches 0; Indels 0

Qy 1 MEGATRVSIMLLLVSDCAVITGACERDVQCGAGTCCASISWLRLRMCTPLRGEEEC 60

**Qy** 61 HPESHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
**Dp** 61 HPESHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105			

RESULT 26  
US-09-997-428-371  
Sequence 371, Application US/09997428  
Publication No. US20030027162A1  
GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gertschen, Mary E.

APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C44  
CURRENT APPLICATION NUMBER: US/09/997,428  
CURRENT FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
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PRIOR FILING DATE: 1998-06-03  
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PRIOR FILING DATE: 1998-06-04  
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PRIOR FILING DATE: 1998-06-04  
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PRIOR APPLICATION NUMBER: 60/088033  
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PRIOR APPLICATION NUMBER: 60/088167  
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PRIOR FILING DATE: 1998-06-05  
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PRIOR FILING DATE: 1998-06-05  
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PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
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PRIOR APPLICATION NUMBER: 60/088738  
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PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
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PRIOR FILING DATE: 1998-06-11  
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PRIOR APPLICATION NUMBER: 60/090246  
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PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24

APPLICANT: Gurney, Austin L.  
APPLICANT: KJavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watarabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C42  
CURRENT APPLICATION NUMBER: US/09/997,666  
CURRENT FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
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PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
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PRIOR APPLICATION NUMBER: 60/078910  
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PRIOR APPLICATION NUMBER: 60/083322  
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PRIOR APPLICATION NUMBER: 60/084600  
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PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
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PRIOR APPLICATION NUMBER: 60/087759  
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PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10

Query Match 100.0%; Score 589; DB 10; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSVCAGITGACERDVQCGAGTCCCAISLWLRGLRMTPLGREGSEEC 60

DB 1 MEGATRVSIMLLLVTSVCAGITGACERDVQCGAGTCCCAISLWLRGLRMTPLGREGSEEC 60

QY 61 HPGSHKVPFRRKXHTCECLNLLCSRPDPGRYRCSMDLKNINF 105

DB 61 HPGSHKVPFRRKXHTCECLNLLCSRPDPGRYRCSMDLKNINF 105

RESULT 27

US-09-997-666-371

Sequence 371, Application US/9997666

Publication No. US20030027163A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi. J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Geritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

; PRIOR APPLICATION NUMBER: 60/088738  
 ; PRIOR FILING DATE: 1998-06-10  
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 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090445  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090472  
 ; PRIOR FILING DATE: 1998-06-24  
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 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090540

; PRIOR FILING DATE: 1998-06-24  
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 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCATSLWLRGLRMTCTPLGREGGEC 60  
 DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCATSLWLRGLRMTCTPLGREGGEC 60  
 QY 61 HPGSHKVPFFFRKRKHHTCTCLPNLLCSRFDPDGRYCSMDLKNINF 105  
 DB 61 HPGSHKVPFFFRKRKHHTCTCLPNLLCSRFDPDGRYCSMDLKNINF 105

RESULT 28  
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 ; Sequence 371, Application US/09990438  
 ; Publication No. US2003002754A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.

APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730PIC3  
CURRENT APPLICATION NUMBER: US/09/990,438  
CURRENT FILING DATE: 2001-11-14  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-10-17  
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 PRIOR FILING DATE: 1998-07-07  
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 PRIOR APPLICATION NUMBER: 60/092182  
 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;

Best Local Similarity 100.0%; Pred. No. 2, 6e-55; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCALSLMLRGLRMCTPLGRGEEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCALSLMLRGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFFRKHHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105

Db 61 HPGSHKVPFFFRKHHTCPCLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 29

US-09-990-562-371

Sequence 371, Application US/09990562

Publication No. US20030027985A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan L.  
 APPLICANT: Ferrara, Napoleone  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Kljavin, Ivar J.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tamas, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 FILE REFERENCE: P2730FIC18  
 CURRENT APPLICATION NUMBER: US/09/990,562  
 CURRENT FILING DATE: 2001-11-14  
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;; PRIOR FILING DATE: 1998-07-07  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGRGEEC 60  
Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGRGEEC 60  
Qy 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRPDPGRYCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRPDPGRYCSMDLKNINF 105

RESULT 30  
US-09-796-753-64  
; Sequence 64, Application US/09796753  
; Publication No US20030027998A1  
; GENERAL INFORMATION:  
; APPLICANT: McCarthy, Sean A.  
; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF  
; FILE REFERENCE: 7853-227-999  
; CURRENT APPLICATION NUMBER: US/09/796,753  
; CURRENT FILING DATE: 2001-03-01  
; PRIOR APPLICATION NUMBER: 09/183,175  
; PRIOR FILING DATE: 1998-10-30  
; PRIOR APPLICATION NUMBER: 09/223,094  
; PRIOR FILING DATE: 1998-12-30  
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PRIOR APPLICATION NUMBER: 09/677,751
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NUMBER OF SEQ ID NOS: 162
SEQ ID NO 64
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-09-796-753-64

Query Match      100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGEC 60

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Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPGRYRCSDMLKKNIF 105

RESULT 31
US-09-990-711-371
; Sequence 371, Application US/09990711
; Publication No. US20030032023A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Boctstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

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; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C2
; CURRENT APPLICATION NUMBER: US/09/990,711
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10

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US-09-389-726-371  
; Publication 371, Application US/09389726  
; ; Sequence No. US2003004073A1  
; GENERAL INFORMATION:  
; APPLICANT: Askenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.

APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 TITLE OF INVENTION: Acids Encoding the Same  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MEGATRVSIMLLVTVDCAVITGACERDVQCGAGTCCCAISLWRLGRMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKXKHTCPCLENLICSRFPDGRYCSMDLKNINF 105

DB 61 HPGSHKVPFFRKXKHTCPCLENLICSRFPDGRYCSMDLKNINF 105

RESULT 33

US-09-998-156-371

;; Sequence 371, Application US/09998156

;; Publication No. US20030044806A1

;; GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.

;; APPLICANT: Baker, Kevin P.

;; APPLICANT: Botstein, David

;; APPLICANT: Desnoyers, Luc

;; APPLICANT: Eaton, Dan L.

;; APPLICANT: Ferrara, Napoleone

;; APPLICANT: Fong, Sherman

;; APPLICANT: Gerber, Hanspeter

;; APPLICANT: Gerritsen, Mary E.

;; APPLICANT: Goddard, Audrey

;; APPLICANT: Godowski, Paul J.

;; APPLICANT: Grimaldi, J. Christopher

;; APPLICANT: Gurney, Austin L.

;; APPLICANT: Kljavin, Ivar J.

;; APPLICANT: Napier, Mary A.

;; APPLICANT: Pan, James

;; APPLICANT: Paoni, Nicholas F.

;; APPLICANT: Roy, Margaret Ann

;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730P1C28  
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;; CURRENT FILING DATE: 2001-11-15  
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 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
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 DB 61 HPGSHKVPFFFRKRKHHTCPCPLNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 34  
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 ; Sequence 371, Application US/09990437  
 ; Publication No. US20030045463A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
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 ; APPLICANT: Roy, Margaret Ann  
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 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PJC49  
CURRENT APPLICATION NUMBER: US/09/990,437  
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PRIOR FILING DATE: 1997-11-24  
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PRIOR FILING DATE: 1998-06-02  
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PRIOR FILING DATE: 1998-06-03  
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PRIOR FILING DATE: 1998-06-24  
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PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090690  
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PRIOR FILING DATE: 1998-06-25  
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PRIOR FILING DATE: 1998-06-25  
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PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVISIMLLTVSDCAVITGACERDVCGAGTCCALSLWRLGRLMCTPLGRGSEEC 60  
DB 1 MRGATRVISIMLLTVSDCAVITGACERDVCGAGTCCALSLWRLGRLMCTPLGRGSEEC 60

QY 61 HPGSHKVPFFFKRHHKHCPCPLNLLCSRFDPGRVRCSDMLKNINF 105  
DB 61 HPGSHKVPFFFKRHHKHCPCPLNLLCSRFDPGRVRCSDMLKNINF 105

RESULT 35  
US-09-991-157-371  
Sequence 371, Application US/09991157  
Publication No. US20030049638A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC51  
CURRENT FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-15  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
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PRIOR FILING DATE: 1998-02-25  
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PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
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;; PRIOR APPLICATION NUMBER: 60/088861  
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;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09  
Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGRGEEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGRGEEC 60  
Qy 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
RESULT 36  
US-09-997-514-371  
; Sequence 371, Application US/09997514  
; Publication No. US20030049681A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C46

;	CURRENT APPLICATION NUMBER:	US/09/997,514
;	CURRENT FILING DATE:	2001-11-15
;	PRIOR APPLICATION NUMBER:	60/049787
;	PRIOR FILING DATE:	1997-06-16
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;	PRIOR FILING DATE:	1997-10-17
;	PRIOR APPLICATION NUMBER:	60/065186
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;	PRIOR APPLICATION NUMBER:	60/065311
;	PRIOR FILING DATE:	1997-11-13
;	PRIOR APPLICATION NUMBER:	60/066770
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;	PRIOR FILING DATE:	1998-02-25
;	PRIOR APPLICATION NUMBER:	60/078910
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;	PRIOR APPLICATION NUMBER:	60/088876

PRIOR APPLICATION NUMBER: 60/090696  
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PRIOR APPLICATION NUMBER: 60/090862  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
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PRIOR APPLICATION NUMBER: 60/091478  
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PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATVSMILLVTVSDCAVITGACERDVQCGAGTGCAISLWRLGRLMCTPLGREGGEC 60  
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Db 1 MRGATVSMILLVTVSDCAVITGACERDVQCGAGTGCAISLWRLGRLMCTPLGREGGEC 60  
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QY 61 HPGSHKVPFRKRKHHTCCLNLLCSRPDPGRYRCMDLKNINF 105  
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Db 61 HPGSHKVPFRKRKHHTCCLNLLCSRPDPGRYRCMDLKNINF 105  
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RESULT 37  
US-09-997-573-371  
Sequence 371, Application US/09997573  
Publication No. US20030049682A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleon  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gottard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C45  
CURRENT APPLICATION NUMBER: US/09/997,573  
CURRENT FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
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; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
Db 1 MEGATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60

QY 61 HPGSHKVPFFRRKRKHTCTCLPPLLCSRFPPDGRVRCMDLKNINF 105  
Db 61 HPGSHKVPFFRRKRKHTCTCLPPLLCSRFPPDGRVRCMDLKNINF 105

## RESULT 38

US-09-991-172-371  
; Sequence 371, Application US/09991172  
; Publication No. US20030050457A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C50  
; CURRENT APPLICATION NUMBER: US/09/991,172  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17

1 PRIOR APPLICATION NUMBER: 60/065186  
2 PRIOR FILING DATE: 1997-11-12  
3 PRIOR APPLICATION NUMBER: 60/065311  
4 PRIOR FILING DATE: 1997-11-13  
5 PRIOR APPLICATION NUMBER: 60/066770  
6 PRIOR FILING DATE: 1997-11-24  
7 PRIOR APPLICATION NUMBER: 60/075945  
8 PRIOR FILING DATE: 1998-02-25  
9 PRIOR APPLICATION NUMBER: 60/078910  
10 PRIOR FILING DATE: 1998-03-20  
11 PRIOR APPLICATION NUMBER: 60/083322  
12 PRIOR FILING DATE: 1998-04-28  
13 PRIOR APPLICATION NUMBER: 60/084600  
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20 PRIOR FILING DATE: 1998-06-02  
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22 PRIOR FILING DATE: 1998-06-02  
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25 PRIOR APPLICATION NUMBER: 60/088021  
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68 PRIOR FILING DATE: 1998-06-11  
69 PRIOR APPLICATION NUMBER: 60/089105  
70 PRIOR FILING DATE: 1998-06-12  
71 PRIOR APPLICATION NUMBER: 60/089440  
72 PRIOR FILING DATE: 1998-06-16  
73 PRIOR APPLICATION NUMBER: 60/089512

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/ PRIOR APPLICATION NUMBER: 60/091478
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/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091978
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/091982
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/092182
/ PRIOR FILING DATE: 1998-07-09

Query Match      100.0%   Score 589;   DB 10;   Length 105;
Best Local Similarity 100.0%;   Pred. No. 2.6e-55;
Matches 105;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMTCTPLGREGEEC 60
DB 1 MRGATRVSMILLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMTCTPLGREGEEC 60

QY 61 HPGSHKVPFFRKRRKHTCPCLNLLCSRFDPGRVRCSDMLKNINF 105
DB 61 HPGSHKVPFFRKRRKHTCPCLNLLCSRFDPGRVRCSDMLKNINF 105

RESULT 39
US-09-990-726-371
/ Sequence 371, Application US/09990726
/ Publication No. US20030054359A1
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE OF INVENTION: Acids Encoding the Same
/ CURRENT APPLICATION NUMBER: US/09/990,726
/ CURRENT FILING DATE: 2001-11-14
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCATSLWLRGLRMTPTLGRGEEC 60  
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCATSLWLRGLRMTPTLGRGEEC 60

QY 61 HPGSHKVPFFFRKHHTCTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFFRKHHTCTCPCLNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 40

US-09-997-559-371

; Sequence 371, Application US/09997559

; Publication No. US20030054403A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Deanoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2730PLC40

; CURRENT APPLICATION NUMBER: US/09/997,559

; CURRENT FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/085186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

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;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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DB 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLMCTPLQREGSEC 60  
  
QY 61 HPGSHKVPFPRKRGKHTCPCLPNLLCSRPDPGRYCSMDLKNINF 105  
DB 61 HPGSHKVPFPRKRGKHTCPCLPNLLCSRPDPGRYCSMDLKNINF 105

RESULT 41

US-09-997-601-371  
; Sequence 371, Application US/09997601  
; Publication No. US20030054404A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC36  
; CURRENT APPLICATION NUMBER: US/09/997,601  
; CURRENT FILING DATE: 2001-11-15  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910

;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
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;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
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;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
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;; PRIOR FILING DATE: 1998-06-04  
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;; PRIOR FILING DATE: 1998-06-16  
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;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17

RESULT 42

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; Sequence 371, Application US/099990443  
; Publication No. US20030054987A1

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Botstein, David

APPLICANT: Eaton, Dan L.

APPLICANT: Fong, Sherman

APPLICANT: Gerritsen, Mary I  
APPLICANT: Goddard, Andrew

APPLICANT: GRIMALDI, J. Chris

APPLICANT: Kl'javin, Ivar J.

APPLICANT: Pan, James

APPLICANT: Roy, Margaret Ar

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mid

APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted

FILE OF INVENTION: ACIUS  
FILE REFERENCE: P2730P1C12

; CURRENT FILING DATE: 2001-J

; PRIOR FILING DATE: 1997-06-11

; PRIOR FILING DATE: 1997-10-1

; PRIOR FILING DATE: 1997-11-11

;  
PRIOR FILING DATE: 1997-11-11  
PRIOR PUBLICATION NUMBER: 50

; PRIOR FILING DATE: 1997-11-2

; PRIOR FILING DATE: 1998-02-27  
 ; PRIOR APPLICATION NUMBER: 60

; PRIOR APPLICATION NUMBER: 600

PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089655-1
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089801
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089907
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089908
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PRIOR APPLICATION NUMBER:	60/089947
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PRIOR FILING DATE:	1998-06-24
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PRIOR FILING DATE:	1998-07-02
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PRIOR APPLICATION NUMBER:	60/091633
PRIOR FILING DATE:	1998-07-02

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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%   Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55; Indels 0; Gaps 0;
Matches 105; Conservative 0; Mismatches 0;

QY 1 MRGATRVSIMLLLVTSVCVITGACERDVCGAGTCCATSLWLRGMRCTPLGREGEC 60
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Db 1 MRGATRVSIMLLLVTSVCVITGACERDVCGAGTCCATSLWLRGMRCTPLGREGEC 60
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QY 61 HPGSHKVPFFRRKHHTCPCLNLLCSRFPPGRVCSMDLKNINF 105
    |||||
Db 61 HPGSHKVPFFRRKHHTCPCLNLLCSRFPPGRVCSMDLKNINF 105
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RESULT 43
US-09-991-854-371
; Sequence 371, Application US/09991854
; Publication No. US20030059780A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC24
; CURRENT APPLICATION NUMBER: US/09/991.854
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091992

; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09  
  
Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MRGATRVSIMLLLVTSDCAVITGACERDVCCAGTCCATSLMRLGLMCTPLGRGEEC 60  
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVCCAGTCCATSLMRLGLMCTPLGRGEEC 60  
  
Qy 61 HPGSHKVPFFRKHKHTCPCPLNLLCSRFDPDGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKHKHTCPCPLNLLCSRFDPDGRVRCSDMLKNINF 105

RESULT 44

US-09-997-628-371  
; Sequence 371, Application US/09997628  
; Publication No. US20030059782A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Matanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PLC30  
; CURRENT APPLICATION NUMBER: US/09/997,628  
; CURRENT FILING DATE: 2001-11-15  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
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; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
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; PRIOR FILING DATE: 1998-02-25  
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; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087607  
; PRIOR FILING DATE: 1998-06-02



Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLRMCMTPLGREGEC 60  
DB 1 MRGATVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLRMCMTPLGREGEC 60

QY 61 HPGSHKVPFRKRKHHTCPLNLLCSRPDPGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFRKRKHHTCPLNLLCSRPDPGRYRCSMDLKNINF 105

## RESULT 45

US-09-997-683-371  
; Sequence 371, Application US/09997683  
; Publication No. US2003059783A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC32  
; CURRENT APPLICATION NUMBER: US/09/997,683  
; CURRENT FILING DATE: 2001-11-15  
; PRIOR APPLICATION NUMBER: 60/049787  
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; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLMCTPLGRGSEC 60

Db 1 MRGATRVIMLLLVTSVCANVTGACERDVCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

## RESULT 47

US-09-997-349-371

; Sequence 371, Application US/09997349

; Publication No. US20030059832A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2730P1C37

; CURRENT APPLICATION NUMBER: US/09/997,349

; CURRENT FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

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; PRIOR FILING DATE: 1997-11-13

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; PRIOR FILING DATE: 1997-11-24

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 1 PRIOR FILING DATE: 1998-07-07  
 1 PRIOR APPLICATION NUMBER: 60/091982  
 1 PRIOR FILING DATE: 1998-07-07  
 1 PRIOR APPLICATION NUMBER: 60/092182  
 1 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
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 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRMCTPLGREGEC 60

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 Db 61 HPGSHKVPFFRKXKHTCPCLNLLCSRRPDPGRYRCMDLKNINF 105  
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 US-09-997-440-371  
 ; Sequence 371, Application US/09997440  
 ; Publication No. US20030059833A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Baton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
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 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kijavini, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
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 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2730P1C31  
 ; CURRENT FILING DATE: 2001-11-15  
 ; PRIOR APPLICATION NUMBER: US/09/997,440  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/049787  
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 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
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 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 QY 61 HPGSHKVEFFKRKHHTCPLNLLCSRFDPGRYRCSDMLKNINF 105  
 Db 61 HPGSHKVEFFKRKHHTCPLNLLCSRFDPGRYRCSDMLKNINF 105

## RESULT 49

US-09-990-440-371  
Sequence 371, Application US/09990440  
Publication No. US2003060407A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
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APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
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APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
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APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C21  
CURRENT APPLICATION NUMBER: US/09/990,440  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
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1 PRIOR FILING DATE: 1998-07-07  
1 PRIOR APPLICATION NUMBER: 60/091982  
1 PRIOR FILING DATE: 1998-07-07  
1 PRIOR APPLICATION NUMBER: 60/092182  
1 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTPLRGEGEC 60

Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTPLRGEGEC 60

Qy 61 HPGSHKVPFPRKHKHTCPCLNLLCSRPDPGRYCSMDLKNINF 105

Db 61 HPGSHKVPFPRKHKHTCPCLNLLCSRPDPGRYCSMDLKNINF 105

RESULT 50

US-09-993-469-371  
Sequence 371, Application US/09993469  
Publication No. US2003006823A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C5  
CURRENT APPLICATION NUMBER: US/09/993,469  
CURRENT FILING DATE: 2001-11-14  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVCCGAGTCCATSLWLRGMRMCTPLGREGEBC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVCCGAGTCCATSLWLRGMRMCTPLGREGEBC 60  
QY 61 HPGSHKVPFFFRKRKHHTCPCPLNLLCSRFDPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFFRKRKHHTCPCPLNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 51  
US-09-997-542-371  
; Sequence 371, Application US/09997542  
; Publication No. US20030068647A1





APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Baton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C23  
CURRENT APPLICATION NUMBER: US/09/993,748  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
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PRIOR FILING DATE: 1998-06-05

Query Match 100.0%; Score 589; DB 10; Length 105;  
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DB 1 MRGATVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRXCCTPLGREGEC 60  
QY 61 HPGSHKVPFRKKKHTCPLNLLCSRPDPGRYCSMDLKNINF 105  
DB 61 HPGSHKVPFRKKKHTCPLNLLCSRPDPGRYCSMDLKNINF 105

RESULT 52  
US-09-993-748-371  
Sequence 371, Application US/09993748  
Publication No. US20030069403A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.

;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
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Query Match 100.0%; Score 589; DB 10; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 HPGSHKVPFFRRKHHHTCPCILNLLCSRFDPGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRRKHHHTCPCILNLLCSRFDPGRYRCSDMLKNINF 105

## RESULT 53

US-09-990-439-371  
; Sequence 371, Application US/09990439  
; Publication No. US20030073090A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
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APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
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APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730PIC52  
CURRENT APPLICATION NUMBER: US/09/990,439  
CURRENT FILING DATE: 2001-11-16  
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PRIOR APPLICATION NUMBER: 60/089653  
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;; PRIOR APPLICATION NUMBER: 60/090445  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589, DB 10; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVISMLLVTSDCAVITGACERDVQCCAGTCCCAISLWLRGKCTPLGREGEC 60

Db 1 MRGATRVISMLLVTSDCAVITGACERDVQCCAGTCCCAISLWLRGKCTPLGREGEC 60

QY 61 HPGSHKVPFFRKHKHTPCCLPCLNLLCSRPDPGRYCSMDLKNINF 105

Db 61 HPGSHKVPFFRKHKHTPCCLPCLNLLCSRPDPGRYCSMDLKNINF 105

RESULT 54

US-09-990-427-371

Sequence 371, Application US/09990427

Publication No. US20030073809A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnovers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Kljavin, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Paoni, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730PIC10  
;; CURRENT APPLICATION NUMBER: US/09/990,427  
;; CURRENT FILING DATE: 2001-11-14  
;; PRIOR APPLICATION NUMBER: 60/049787  
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;; PRIOR FILING DATE: 1998-06-05

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41	PRIOR FILING DATE: 1998-07-07	
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43	PRIOR FILING DATE: 1998-07-09	

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RESULT 55
US-09-589-328-371
; Sequence 371, Application US/09589328
; Publication No. US20030077593A1
; GENERAL INFORMATION:
; APPLICANT: AS&Kenzai, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrari, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Garber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C54  
CURRENT APPLICATION NUMBER: US/09/989,328  
CURRENT FILING DATE: 2001-11-01  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
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PRIOR FILING DATE: 1997-11-12  
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PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
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PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
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PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 532  
SEQ ID NO 371  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-989-328-371

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 MRGATRVSIMLLVTSVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGRGEEC 60  
Qy 61 HPGSHKVPFFKRRKHHKTCPLNLLCSRFDPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFKRRKHHKTCPLNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 56  
US-09-993-583-371  
Sequence 371, Application US/09993583  
Publication No. US20030077594A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C7  
CURRENT APPLICATION NUMBER: US/09/993,583  
CURRENT FILING DATE: 2001-11-14  
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PRIOR FILING DATE: 1997-06-16  
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PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
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; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
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; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.f6-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGLRMCTPLGREGEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGLRMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFFRKRKHHTCPCLPPLLCSRFPPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFFRKRKHHTCPCLPPLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 57  
US-09-941-992-371  
; Sequence 371, Application US/09941992  
; Publication No. US20030082546A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C1  
CURRENT APPLICATION NUMBER: US/09/941,992  
CURRENT FILING DATE: 2001-08-28  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
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PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
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PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
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PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
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PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540



RESULT 58  
US - 992-521-371  
; Sequence 371, Application US/09993521  
; Publication No. US20050083461A1  
; GENERAL INFORMATION:  
; APPLICANT: ASHKENAZI, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Grattisen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.

1	1	PRIOR FILING DATE: 1998-06-10	
2	1	PRIOR APPLICATION NUMBER: 60/088810	
3	1	PRIOR FILING DATE: 1998-06-10	
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6	1	PRIOR APPLICATION NUMBER: 60/088826	
7	1	PRIOR FILING DATE: 1998-06-10	
8	1	PRIOR APPLICATION NUMBER: 60/088858	
9	1	PRIOR FILING DATE: 1998-06-11	
10	1	PRIOR APPLICATION NUMBER: 60/088861	
11	1	PRIOR FILING DATE: 1998-06-11	
12	1	PRIOR APPLICATION NUMBER: 60/088876	
13	1	PRIOR FILING DATE: 1998-06-11	
14	1	PRIOR APPLICATION NUMBER: 60/089105	
15	1	PRIOR FILING DATE: 1998-06-12	
16	1	PRIOR APPLICATION NUMBER: 60/089440	
17	1	PRIOR FILING DATE: 1998-06-16	
18	1	PRIOR APPLICATION NUMBER: 60/089512	
19	1	PRIOR FILING DATE: 1998-06-16	
20	1	PRIOR APPLICATION NUMBER: 60/089514	
21	1	PRIOR FILING DATE: 1998-06-16	
22	1	PRIOR APPLICATION NUMBER: 60/089532	
23	1	PRIOR FILING DATE: 1998-06-17	
24	1	PRIOR APPLICATION NUMBER: 60/089538	
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26	1	PRIOR APPLICATION NUMBER: 60/089598	
27	1	PRIOR FILING DATE: 1998-06-17	
28	1	PRIOR APPLICATION NUMBER: 60/089599	
29	1	PRIOR FILING DATE: 1998-06-17	
30	1	PRIOR APPLICATION NUMBER: 60/089600	
31	1	PRIOR FILING DATE: 1998-06-17	
32	1	PRIOR APPLICATION NUMBER: 60/089653	
33	1	PRIOR FILING DATE: 1998-06-17	
34	1	PRIOR APPLICATION NUMBER: 60/089801	
35	1	PRIOR FILING DATE: 1998-06-18	
36	1	PRIOR APPLICATION NUMBER: 60/089907	
37	1	PRIOR FILING DATE: 1998-06-18	
38	1	PRIOR APPLICATION NUMBER: 60/089908	
39	1	PRIOR FILING DATE: 1998-06-18	
40	1	PRIOR APPLICATION NUMBER: 60/089947	
41	1	PRIOR FILING DATE: 1998-06-19	
42	1	PRIOR APPLICATION NUMBER: 60/089948	
43	1	PRIOR FILING DATE: 1998-06-19	
44	1	PRIOR APPLICATION NUMBER: 60/089952	
45	1	PRIOR FILING DATE: 1998-06-19	
46	1	PRIOR APPLICATION NUMBER: 60/090246	
47	1	PRIOR FILING DATE: 1998-06-22	
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51	1	PRIOR FILING DATE: 1998-06-22	
52	1	PRIOR APPLICATION NUMBER: 60/090349	
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56	1	PRIOR APPLICATION NUMBER: 60/090429	
57	1	PRIOR FILING DATE: 1998-06-24	
58	1	PRIOR APPLICATION NUMBER: 60/090431	
59	1	PRIOR FILING DATE: 1998-06-24	
60	1	PRIOR APPLICATION NUMBER: 60/090435	
61	1	PRIOR FILING DATE: 1998-06-24	
62	1	PRIOR APPLICATION NUMBER: 60/090444	
63	1	PRIOR FILING DATE: 1998-06-24	
64	1	PRIOR APPLICATION NUMBER: 60/090445	
65	1	PRIOR FILING DATE: 1998-06-24	
66	1	PRIOR APPLICATION NUMBER: 60/090472	
67	1	PRIOR FILING DATE: 1998-06-24	
68	1	PRIOR APPLICATION NUMBER: 60/090535	
69	1	PRIOR FILING DATE: 1998-06-24	
70	1	PRIOR APPLICATION NUMBER: 60/090540	
71	1	PRIOR FILING DATE: 1998-06-24	
72	1	PRIOR APPLICATION NUMBER: 60/090542	
73	1	PRIOR FILING DATE: 1998-06-24	

1	PRIOR APPLICATION NUMBER: 60/0905557
2	PRIOR FILING DATE: 1998-06-24
3	PRIOR APPLICATION NUMBER: 60/090676
4	PRIOR FILING DATE: 1998-06-25
5	PRIOR APPLICATION NUMBER: 60/090678
6	PRIOR FILING DATE: 1998-06-25
7	PRIOR APPLICATION NUMBER: 60/090690
8	PRIOR FILING DATE: 1998-06-25
9	PRIOR APPLICATION NUMBER: 60/090694
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11	PRIOR APPLICATION NUMBER: 60/090695
12	PRIOR FILING DATE: 1998-06-25
13	PRIOR APPLICATION NUMBER: 60/090696
14	PRIOR FILING DATE: 1998-06-25
15	PRIOR APPLICATION NUMBER: 60/090862
16	PRIOR FILING DATE: 1998-06-26
17	PRIOR APPLICATION NUMBER: 60/090863
18	PRIOR FILING DATE: 1998-06-26
19	PRIOR APPLICATION NUMBER: 60/091360
20	PRIOR FILING DATE: 1998-07-01
21	PRIOR APPLICATION NUMBER: 60/091478
22	PRIOR FILING DATE: 1998-07-02
23	PRIOR APPLICATION NUMBER: 60/091544
24	PRIOR FILING DATE: 1998-07-01
25	PRIOR APPLICATION NUMBER: 60/091519
26	PRIOR FILING DATE: 1998-07-02
27	PRIOR APPLICATION NUMBER: 60/091626
28	PRIOR FILING DATE: 1998-07-02
29	PRIOR APPLICATION NUMBER: 60/091633
30	PRIOR FILING DATE: 1998-07-02
31	PRIOR APPLICATION NUMBER: 60/091978
32	PRIOR FILING DATE: 1998-07-07
33	PRIOR APPLICATION NUMBER: 60/091982
34	PRIOR FILING DATE: 1998-07-07
35	PRIOR APPLICATION NUMBER: 60/092182
36	PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0

QY	1	MGATRVSTMLLLVTVSDCAVITGACERDVCGAGTCCTCAISLWRLGLMCTPLQREGSEC	60
DB	1	MGATRVSTMLLLVTVSDCAVITGACERDVCGAGTCCTCAISLWRLGLMCTPLQREGSEC	60
QY	61	HFGSHKVFFFRKRKHHTCPCLPNLLCSFPDGRVRCSDMLKNINF	105
DB	61	HFGSHKVFFFRKRKHHTCPCLPNLLCSFPDGRVRCSDMLKNINF	105

RESULT 59  
US-09-997-333-371  
Sequence 371, Application US/099973733  
Publication No. US20030087304A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Bocstein, David  
APPLICANT: Besnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey J.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C27  
CURRENT APPLICATION NUMBER: US/09/997,333  
CURRENT FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
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;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSMILLVTSDCAVITGACEDVCCGAGTCCATSLWRLGRLMCTPLGRGEEC 60  
Db 1 MRGATRVSMILLVTSDCAVITGACEDVCCGAGTCCATSLWRLGRLMCTPLGRGEEC 60

Qy 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPGRYRCSDMLKKNF 105  
Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPGRYRCSDMLKKNF 105

RESULT 60  
US-09-997-384-371  
; Sequence 371, Application US/09997384  
; Publication No. US20030087305A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gernitsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
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; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.

;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730PIC35  
;; CURRENT APPLICATION NUMBER: US/09/997,384  
;; CURRENT FILING DATE: 2001-11-15  
;; PRIOR APPLICATION NUMBER: 60/049787  
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Query Match	100.0%;	Score 589;	DB 10;	Length 105;
Best Local Similarity	100.0%;	Pred. No. 2.6e-55;		
Matches 105.	Conservative	0;	Mismatches 0;	Indels 0

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QY 61 HPGSHKVFFFRRKKHHTCPCLNLLCSRFPDGRYRCSMDLKNINF 105

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; Sequence 371, Application US/09998041  
; Publication No. US20030119001A1  
; GENERAL INFORMATION:  
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; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
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; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730FIC34  
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MEGATRVSTMLLVTSDDCAVITGACERDVQCGAGTCCCAISLWGLRMCNCTPLGREGEC 60

QY 61 HPGSHKVPFRKXKHHTCPLNLLCSRPDPGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFRKXKHHTCPLNLLCSRPDPGRYRCSMDLKNINF 105

RESULT 62
US-09-997-585-371
; Sequence 371, Application US/09997585
; Publication No. US20030119055A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
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;; PRIOR FILING DATE: 1998-06-23  
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;; PRIOR APPLICATION NUMBER: 60/090435  
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;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR FILING DATE: 1998-06-25

;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
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;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
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;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCCAISLWLGRLMCTPLGREGEC 60  
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Db 1 MEGATRVSIMLLLVTSVDCAVITGACERDVCGAGTCCCAISLWLGRLMCTPLGREGEC 60

QY 61 HPGSHKVPPFFRKRGHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105  
|||  
Db 61 HPGSHKVPPFFRKRGHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

## RESULT 63

US-09-997-614-371  
; Sequence 371, Application US/09997614  
; Publication No. US20030124531A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P27301C29  
; CURRENT APPLICATION NUMBER: US/09/997,614  
; CURRENT FILING DATE: 2001-11-15  
; PRIOR APPLICATION NUMBER: 60/049787



[illegible]

;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
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;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
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;; PRIOR APPLICATION NUMBER: 60/092186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
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;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
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;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
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;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512

Query Match 100.0%; Score 589; DB 10; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSVCVITGACERDVOCGAGTCCALSLWLRGMRMCTPLGREGEC 60  
DB 1 MRGATRVSIMLLLVTSVCVITGACERDVOCGAGTCCALSLWLRGMRMCTPLGREGEC 60  
QY 61 HPGSHKVPFFRRKHHTCCPLNLLCSRFDPGRVRCMSMDLKNINF 105  
DB 61 HPGSHKVPFFRRKHHTCCPLNLLCSRFDPGRVRCMSMDLKNINF 105

RESULT 64  
US-09-989-862-371  
; Sequence 371, Application US/09989862  
; Publication No. US20030130182A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary B.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C58  
; CURRENT APPLICATION NUMBER: US/09/989,862  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17

; PRIOR FILING DATE: 1998-06-16
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; PRIOR FILING DATE: 1998-06-26

; PRIOR APPLICATION NUMBER: 60/091360
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; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLGIRMYCTPLGRGEEC 60
Db 1 MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLGIRMYCTPLGRGEEC 60
Qy 61 HPGSHKVPRFRKHKHTCPCPLNLLCSRPDPGRYRCMDLKNINF 105
Db 61 HPGSHKVPRFRKHKHTCPCPLNLLCSRPDPGRYRCMDLKNINF 105

RESULT 65

US-09-997-529-371
; Sequence 371. Application US/09997529
; Publication No. US20030134284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C33
; CURRENT APPLICATION NUMBER: US/09/997,529
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311



[illegible]

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3	PRIOR FILING DATE: 1998-06-17	
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5	PRIOR FILING DATE: 1998-06-17	
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7	PRIOR FILING DATE: 1998-06-17	
8	PRIOR APPLICATION NUMBER: 60/089653	
9	PRIOR FILING DATE: 1998-06-17	
10	PRIOR APPLICATION NUMBER: 60/089801	
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17	PRIOR FILING DATE: 1998-06-19	
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19	PRIOR FILING DATE: 1998-06-19	
20	PRIOR APPLICATION NUMBER: 60/089952	
21	PRIOR FILING DATE: 1998-06-19	
22	PRIOR APPLICATION NUMBER: 60/090246	
23	PRIOR FILING DATE: 1998-06-22	
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31	PRIOR FILING DATE: 1998-06-23	
32	PRIOR APPLICATION NUMBER: 60/090429	
33	PRIOR FILING DATE: 1998-06-24	
34	PRIOR APPLICATION NUMBER: 60/090443	
35	PRIOR FILING DATE: 1998-06-24	
36	PRIOR APPLICATION NUMBER: 60/090445	
37	PRIOR FILING DATE: 1998-06-24	
38	PRIOR APPLICATION NUMBER: 60/090472	
39	PRIOR FILING DATE: 1998-06-24	
40	PRIOR APPLICATION NUMBER: 60/090535	
41	PRIOR FILING DATE: 1998-06-24	
42	PRIOR APPLICATION NUMBER: 60/090540	
43	PRIOR FILING DATE: 1998-06-24	
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45	PRIOR FILING DATE: 1998-06-24	
46	PRIOR APPLICATION NUMBER: 60/090557	
47	PRIOR FILING DATE: 1998-06-24	
48	PRIOR APPLICATION NUMBER: 60/090676	
49	PRIOR FILING DATE: 1998-06-25	
50	PRIOR APPLICATION NUMBER: 60/090678	
51	PRIOR FILING DATE: 1998-06-25	
52	PRIOR APPLICATION NUMBER: 60/090690	
53	PRIOR FILING DATE: 1998-06-25	
54	PRIOR APPLICATION NUMBER: 60/090694	
55	PRIOR FILING DATE: 1998-06-25	
56	PRIOR APPLICATION NUMBER: 60/090695	
57	PRIOR FILING DATE: 1998-06-25	
58	PRIOR APPLICATION NUMBER: 60/090696	
59	PRIOR FILING DATE: 1998-06-25	
60	PRIOR APPLICATION NUMBER: 60/090862	
61	PRIOR FILING DATE: 1998-06-26	
62	PRIOR APPLICATION NUMBER: 60/090863	
63	PRIOR FILING DATE: 1998-06-26	
64	PRIOR APPLICATION NUMBER: 60/091360	
65	PRIOR FILING DATE: 1998-07-01	
66	PRIOR APPLICATION NUMBER: 60/091478	
67	PRIOR FILING DATE: 1998-07-02	
68	PRIOR APPLICATION NUMBER: 60/091544	
69	PRIOR FILING DATE: 1998-07-01	

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, PRIOR APPLICATION NUMBER: 60/091519
, PRIOR FILING DATE: 1998-07-02
, PRIOR APPLICATION NUMBER: 60/091626
, PRIOR FILING DATE: 1998-07-02
, PRIOR APPLICATION NUMBER: 60/091633
, PRIOR FILING DATE: 1998-07-02
, PRIOR APPLICATION NUMBER: 60/091978
, PRIOR FILING DATE: 1998-07-07
, PRIOR APPLICATION NUMBER: 60/091982
, PRIOR FILING DATE: 1998-07-07
, PRIOR APPLICATION NUMBER: 60/092182
, PRIOR FILING DATE: 1998-07-09

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Query Match 100.0%; Score 589; DB 10; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy	Db
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60	60

**Qy** 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKINF 105  
**Dd** 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKINF 105			

RESULT 67

US-09-989-733-371  
 ; Sequence 371, Application US/09989733  
 ; Publication No. US20030228655A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnovers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Geritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kijavini, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730PIC68  
 ; CURRENT APPLICATION NUMBER: US/09/989,733  
 ; CURRENT FILING DATE: 2001-11-01  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/065186  
 ; PRIOR FILING DATE: 1997-11-12  
 ; PRIOR APPLICATION NUMBER: 60/065311  
 ; PRIOR FILING DATE: 1997-11-13  
 ; PRIOR APPLICATION NUMBER: 60/066770  
 ; PRIOR FILING DATE: 1997-11-24  
 ; PRIOR APPLICATION NUMBER: 60/075945  
 ; PRIOR FILING DATE: 1998-02-25  
 ; PRIOR APPLICATION NUMBER: 60/078910

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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 371
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-989-733-371

Query Match      100.0%; Score 589; DB 11; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

Qy 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRPDPGRYCSMDLNINF 105
Db 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRPDPGRYCSMDLNINF 105

RESULT 68
US-09-992-643-371
; Sequence 371, Application US/09992643
; Publication No. US20030228656A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC13
; CURRENT APPLICATION NUMBER: US/09/992,643
; CURRENT FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
```

```
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 371
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-992-643-371

Query Match      100.0%; Score 589; DB 11; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

Qy 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRPDPGRYCSMDLNINF 105
Db 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRPDPGRYCSMDLNINF 105

RESULT 69
US-10-147-493-470
; Sequence 470, Application US/10147493
; Publication No. US20040029217A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMERANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C345
; CURRENT APPLICATION NUMBER: US/10/147,493
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-493-470

Query Match      100.0%; Score 589; DB 12; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
```

Qy 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105

## RESULT 70

US-10-145-127-470  
; Sequence 470, Application US/10145127  
; Publication No. US20040033558A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C252

; CURRENT APPLICATION NUMBER: US/10/145,127

; CURRENT FILING DATE: 2002-05-13

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-145-127-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGREGEBC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGREGEBC 60

Qy 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105

## RESULT 71

US-10-160-503-470

; Sequence 470, Application US/10160503

; Publication No. US20040033559A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C446

; CURRENT APPLICATION NUMBER: US/10/160,503

; CURRENT FILING DATE: 2002-05-30

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-160-503-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGREGEBC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGREGEBC 60

Qy 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105

## RESULT 72

US-10-143-118-470

; Sequence 470, Application US/10143118

; Publication No. US20040038335A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C228

; CURRENT APPLICATION NUMBER: US/10/143,118

; CURRENT FILING DATE: 2002-05-09

; Prior Application removed - See Palm or File Wrapper

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-143-118-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGREGEBC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALSILWRLGRLMCTPLGREGEBC 60

Qy 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105



## RESULT 73

US-10-144-993-470  
; Sequence 470, Application US/10144993  
; Publication No. US20040038336A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Goddard, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C261  
; CURRENT APPLICATION NUMBER: US/10/144,993  
; CURRENT FILING DATE: 2002-05-13  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-144-993-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
|||||

Db 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
|||||

QY 61 HPGSHKVPPFRKRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105  
|||||

Db 61 HPGSHKVPPFRKRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105  
|||||

## RESULT 74

US-10-158-787-470  
; Sequence 470, Application US/10158787  
; Publication No. US20040039164A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Goddard, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3330R1C449  
; CURRENT APPLICATION NUMBER: US/10/158,787  
; CURRENT FILING DATE: 2003-04-03  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-158-787-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
|||||

Db 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
|||||

QY 61 HPGSHKVPPFRKRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105  
|||||

Db 61 HPGSHKVPPFRKRKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105  
|||||

## RESULT 75

US-10-081-056-172  
; Sequence 172, Application US/10081056  
; Publication No. US20040043927A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth J.  
; APPLICANT: Marsters, Scott A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Ye, Weilan  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND  
; FILE REFERENCE: P3235P1C1  
; CURRENT APPLICATION NUMBER: US/10/081,056  
; CURRENT FILING DATE: 2002-02-20  
; PRIOR APPLICATION NUMBER: PCT/US01/21735  
; PRIOR FILING DATE: 2001-07-09

; PRIOR APPLICATION NUMBER: US 60/219,556  
 ; PRIOR FILING DATE: 2000-07-20  
 ; PRIOR APPLICATION NUMBER: US 60/220,624  
 ; PRIOR FILING DATE: 2000-07-25  
 ; PRIOR APPLICATION NUMBER: US 60/220,664  
 ; PRIOR FILING DATE: 2000-07-25  
 ; PRIOR APPLICATION NUMBER: PCT/US00/20710  
 ; PRIOR FILING DATE: 2000-07-28  
 ; PRIOR APPLICATION NUMBER: US 60/222,695  
 ; PRIOR FILING DATE: 2000-08-02  
 ; PRIOR APPLICATION NUMBER: US 09/643,657  
 ; PRIOR FILING DATE: 2000-08-17  
 ; PRIOR APPLICATION NUMBER: PCT/US00/23522  
 ; PRIOR FILING DATE: 2000-08-23  
 ; PRIOR APPLICATION NUMBER: PCT/US00/23328  
 ; PRIOR FILING DATE: 2000-08-24  
 ; PRIOR APPLICATION NUMBER: US 60/230,978  
 ; PRIOR FILING DATE: 2000-09-07  
 ; PRIOR APPLICATION NUMBER: US 60/000,000  
 ; PRIOR FILING DATE: 2000-09-15  
 ; PRIOR APPLICATION NUMBER: US 09/664,610  
 ; PRIOR FILING DATE: 2000-09-18  
 ; PRIOR APPLICATION NUMBER: US 09/665,350  
 ; PRIOR FILING DATE: 2000-09-18  
 ; PRIOR APPLICATION NUMBER: US 60/242,922  
 ; PRIOR FILING DATE: 2000-10-24  
 ; PRIOR APPLICATION NUMBER: US 09/709,238  
 ; PRIOR FILING DATE: 2000-11-08  
 ; PRIOR APPLICATION NUMBER: PCT/US00/30952  
 ; PRIOR FILING DATE: 2000-11-08  
 ; PRIOR APPLICATION NUMBER: PCT/US00/30873  
 ; PRIOR FILING DATE: 2000-11-10  
 ; PRIOR APPLICATION NUMBER: PCT/US00/32678  
 ; PRIOR FILING DATE: 2000-12-01  
 ; PRIOR APPLICATION NUMBER: US 09/747,259  
 ; PRIOR FILING DATE: 2000-12-20  
 ; PRIOR APPLICATION NUMBER: PCT/US00/34956  
 ; PRIOR FILING DATE: 2000-12-20  
 ; PRIOR APPLICATION NUMBER: US 09/767,609  
 ; PRIOR FILING DATE: 2001-01-22  
 ; PRIOR APPLICATION NUMBER: US 09/796,498  
 ; PRIOR FILING DATE: 2001-02-28  
 ; PRIOR APPLICATION NUMBER: PCT/US01/06520  
 ; PRIOR FILING DATE: 2001-02-28  
 ; PRIOR APPLICATION NUMBER: PCT/US01/06666  
 ; PRIOR FILING DATE: 2001-03-01  
 ; PRIOR APPLICATION NUMBER: US 09/802,706  
 ; PRIOR FILING DATE: 2001-03-09  
 ; PRIOR APPLICATION NUMBER: US 09/808,689  
 ; PRIOR FILING DATE: 2001-03-14  
 ; PRIOR APPLICATION NUMBER: US 09/816,744  
 ; PRIOR FILING DATE: 2001-03-22  
 ; PRIOR APPLICATION NUMBER: US 09/828,366  
 ; PRIOR FILING DATE: 2001-04-05  
 ; PRIOR APPLICATION NUMBER: US 09/854,208  
 ; PRIOR FILING DATE: 2001-05-10  
 ; PRIOR APPLICATION NUMBER: US 09/854,280  
 ; PRIOR FILING DATE: 2001-05-10  
 ; PRIOR APPLICATION NUMBER: US 09/866,028  
 ; PRIOR FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: US 09/866,034  
 ; PRIOR FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: PCT/US01/17092  
 ; PRIOR FILING DATE: 2001-05-25  
 ; PRIOR APPLICATION NUMBER: US 09/870,574  
 ; PRIOR FILING DATE: 2001-05-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/17443  
 ; PRIOR FILING DATE: 2001-05-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/17800  
 ; PRIOR FILING DATE: 2001-06-01  
 ; PRIOR APPLICATION NUMBER: PCT/US01/19692  
 ; PRIOR FILING DATE: 2001-06-20  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00000

; PRIOR FILING DATE: 2001-06-28  
 ; NUMBER OF SEQ ID NOS: 383  
 ; SEQ ID NO 172  
 ; LENGTH: 105  
 ; TYPE: PRT  
 ; ORGANISM: Homosapiens  
 US-10-081-056-172

Query Match 100.0%; Score 589; DB 12; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECC 60  
 DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGREGECC 60  
 QY 61 HPGSHKVPFFRRKRKHTCPCLPNNLLCSRFDPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRRKRKHTCPCLPNNLLCSRFDPDGRYRCSDMLKNINF 105

# RESULT 76

US-10-219-535-166  
 ; Sequence 166, Application US/10219535  
 ; Publication No. US20040044179A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Gerritsen, Mary  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stephan, Jean-Philippe F.  
 ; APPLICANT: Watanabe, Colin L.  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3530PIC60  
 ; CURRENT APPLICATION NUMBER: US/10/219,535  
 ; CURRENT FILING DATE: 2002-08-14  
 ; PRIOR APPLICATION NUMBER: 10/119,480  
 ; PRIOR FILING DATE: 2002-04-09  
 ; PRIOR APPLICATION NUMBER: 60/059113  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/062287  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063549  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/064103  
 ; PRIOR FILING DATE: 1997-10-31  
 ; PRIOR APPLICATION NUMBER: 60/069873  
 ; PRIOR FILING DATE: 1997-12-17  
 ; PRIOR APPLICATION NUMBER: 60/078910  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/079294  
 ; PRIOR FILING DATE: 1998-03-25  
 ; PRIOR APPLICATION NUMBER: 60/079656  
 ; PRIOR FILING DATE: 1998-03-26  
 ; PRIOR APPLICATION NUMBER: 60/079728  
 ; PRIOR FILING DATE: 1998-03-27  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 246  
 ; SEQ ID NO 166  
 ; LENGTH: 105  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-219-535-166

Query Match 100.0%; Score 589; DB 12; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 77

US-10-232-230-166  
; Sequence 166, Application US/10232230  
; Publication No. US20040044180A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C103  
; CURRENT APPLICATION NUMBER: US/10/232,230  
; CURRENT FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 166  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-232-230-166

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 78

US-09-969-984-11  
; Sequence 11, Application US/09969984  
; Publication No. US20040048244A1  
; GENERAL INFORMATION:  
; APPLICANT: INCYTE GENOMICS, INC.  
; APPLICANT: TANG, Y. Tom  
; APPLICANT: YUE, Henry  
; APPLICANT: LAL, Freeti  
; APPLICANT: BURFORD, Neil  
; APPLICANT: BANDMAN, Olga  
; APPLICANT: BAUGHN, Mariah R.  
; APPLICANT: AZIMZAI, Yalda  
; APPLICANT: LU, Dyung Aina M.  
; APPLICANT: PATTERSON, Chandra  
; TITLE OF INVENTION: EXTRACELLULAR SIGNALING MOLECULES  
; FILE REFERENCE: PF-0701-1 USA  
; CURRENT APPLICATION NUMBER: US/09/969,984  
; CURRENT FILING DATE: 2001-10-02  
; PRIOR APPLICATION NUMBER: 60/134,949; 60/144,270; 60/146,700; 60/157,508  
; PRIOR FILING DATE: 1999-05-19; 1999-07-15; 1999-07-30; 1999-10-04  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: PERL Program  
; SEQ ID NO 11  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc feature  
; FEATURE:  
; OTHER INFORMATION: Incyte ID No. US20040048244A1 2006548CD1  
US-09-969-984-11

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 79

US-10-140-024-470  
; Sequence 470, Application US/10140024  
; Publication No. US20040058424A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin X  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P330R1C69  
; CURRENT APPLICATION NUMBER: US/10/140,024  
; CURRENT FILING DATE: 2002-05-06  
; Prior Application removed - See Palm or File Wrapper  
; NUMBER OF SEQ ID NOS: 550

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; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-024-470

Query Match      100.0%; Score 589; DB 12; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MRGATRVISIMLLTVSDCAVITGACERDVQCGAGTCCATSLWLRGWRMCTPLGREGEC 60
    |||
Db 1 MRGATRVISIMLLTVSDCAVITGACERDVQCGAGTCCATSLWLRGWRMCTPLGREGEC 60
    |||

Cy 61 HPGSHKVPFFFRKRKHHTCPCLPNLCSRFDPDGRVRCSDMLKNINF 105
    |||
Db 61 HPGSHKVPFFFRKRKHHTCPCLPNLCSRFDPDGRVRCSDMLKNINF 105
    |||

RESULT 80
US-09-989-724-371
; Sequence 371, Application US/09989724
; Publication No. US20030017476A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Pacini, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PLC67
; CURRENT APPLICATION NUMBER: US/09/989,724
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
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/ PRIOR APPLICATION NUMBER: 60/092186
/ PRIOR FILING DATE: 1998-07-09
/
Query Match 100.0%; Score 100
Best Local Similarity 100.0%; Priority 0
Matches 105; Conservative 0; Mismatch 0
/
Qy 1 MRGATRVSIMLLLVTVSDCAVITG
Db 1 MRGATRVSIMLLLVTVSDCAVITG
Qy 61 HPGSHKVPFFRKXKHHHTCCLNPL
Db 61 HPGSHKVPFFRKXKHHHTCCLNPL
/
RESULT 81
US-09-989-728-371
/ Sequence 371, Application US/0998972
/ Publication No. US2003001796A1
/
GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnovers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Klapavin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Wattanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/
TITLE OF INVENTION: Secreted and Trademarked
/
TITLE OF INVENTION: Acids Encoding
/
FILE REFERENCE: P2730F1C72
/
CURRENT APPLICATION NUMBER: US/09/98972
/ CURRENT FILING DATE: 2001-11-20
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/065186
/ PRIOR FILING DATE: 1997-11-12
/ PRIOR APPLICATION NUMBER: 60/065311
/ PRIOR FILING DATE: 1997-11-13
/ PRIOR APPLICATION NUMBER: 60/066770
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/075945
/ PRIOR FILING DATE: 1998-02-25
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/083322
/ PRIOR FILING DATE: 1998-04-28
/ PRIOR APPLICATION NUMBER: 60/084600
/ PRIOR FILING DATE: 1998-05-07
/ PRIOR APPLICATION NUMBER: 60/087106
/ PRIOR FILING DATE: 1998-05-28
/ PRIOR APPLICATION NUMBER: 60/087607
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087609

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	Query Match	Best Local Similarity	Score	DB 12;	Length
	Matches	105;	100.0%;	589, DB 12;	105;
	Conservative	0;	Mismatches	0;	Indels
1	MRGATRVSMILLVTVSDCAVITGACERDYQCGAGTCCAI	1	MLRGLRMC		
1	MRGATRVSMILLVTVSDCAVITGACERDYQCGAGTCCAI	1	MLRGLRMC		
61	HPGSHKVPFRKRKHHTCPLNLLCSRFPDGYRCSMDLKN	1	105		
61	HPGSHKVPFRKRKHHTCPLNLLCSRFPDGYRCSMDLKN	1	105		

US-09-989-728-371  
; Sequence 371, Application US/09989728

US-09-383-728-371  
; Sequence 371, Application US/09989728  
; Publication No. US20030017981A1  
; GENERAL INFORMATION:

/	APPLICANT:	Ashkenazi, Avi J.
/	APPLICANT:	Baker, Kevin P.
/	APPLICANT:	Botein, David
/	APPLICANT:	Desnoyers, Luc
/	APPLICANT:	Eaton, Dan L.
/	APPLICANT:	Ferrara, Napoleone
/	APPLICANT:	Pong, Sherman
/	APPLICANT:	Gerber, Hanspeter
/	APPLICANT:	Gerritsen, Mary E.
/	APPLICANT:	Goddard, Audrey
/	APPLICANT:	Godowski, Paul J.
/	APPLICANT:	Grimaldi, J. Christopher
/	APPLICANT:	Gurney, Austin L.
/	APPLICANT:	Kujavin, Ivar J.
/	APPLICANT:	Napier, Mary A.
/	APPLICANT:	Pan, James
/	APPLICANT:	Pao, Nicholas F.
/	APPLICANT:	Roy, Margaret Ann
/	APPLICANT:	Stewart, Timothy A.
/	APPLICANT:	Tumas, Daniel
/	APPLICANT:	Watanabe, Colin K.
/	APPLICANT:	Williams, P. Mickey
/	APPLICANT:	Wood, William I.
/	APPLICANT:	Zhang, Zemin
/	TITLE OF INVENTION: Secreted and T	
/	TITLE OF INVENTION: Acids Encodin	
/	FILE REFERENCE: P2730PIC72	
/	CURRENT APPLICATION NUMBER: US/09/	
/	CURRENT FILING DATE: 2001-11-20	
/	PRIOR APPLICATION NUMBER: 60/04978	
/	PRIOR FILING DATE: 1997-06-16	
/	PRIOR APPLICATION NUMBER: 60/06225	
/	PRIOR FILING DATE: 1997-10-17	
/	PRIOR APPLICATION NUMBER: 60/06518	
/	PRIOR FILING DATE: 1997-11-12	
/	PRIOR APPLICATION NUMBER: 60/06531	
/	PRIOR FILING DATE: 1997-11-13	
/	PRIOR APPLICATION NUMBER: 60/06677	
/	PRIOR FILING DATE: 1997-11-24	
/	PRIOR APPLICATION NUMBER: 60/07594	
/	PRIOR FILING DATE: 1998-02-25	
/	PRIOR APPLICATION NUMBER: 60/07891	
/	PRIOR FILING DATE: 1998-03-20	
/	PRIOR APPLICATION NUMBER: 60/08332	
/	PRIOR FILING DATE: 1998-04-28	
/	PRIOR APPLICATION NUMBER: 60/08460	
/	PRIOR FILING DATE: 1998-05-07	
/	PRIOR APPLICATION NUMBER: 60/08710	
/	PRIOR FILING DATE: 1998-05-28	
/	PRIOR APPLICATION NUMBER: 60/08760	
/	PRIOR FILING DATE: 1998-06-02	
/	PRIOR APPLICATION NUMBER: 60/08760	

; AFFILIANT: ZIMBABWE, ZEMBA  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: secreted and transmembrane  
; TITLE OF INVENTION: Acids encoding the same

FILE OF INVENTION: ACQUIS SUCCEEDING ONE  
: FILE REFERENCE: P2730P1C72

FILE REFERENCE: F2730FC72  
; CURRENT APPLICATION NUMBER: US/09/989,728

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; CONGRATULATIONS: 2001 11 20  
; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

EXPIRATION DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

7 ; PRIORITY FILING DATE: 1997-11-12

7. PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13  
 ; PRIORITY NUMBER: 60/063311

/ PRIOR FILING DATE: 1997-11-13  
 : PRIOR APPLICATION NUMBER: 60/066770

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; PRIOR FILING DATE: 1997-11-24  
 ; PRIOR APPLICATION NUMBER: 60/075945

; PRIOR FILING DATE: 1998-02-25  
 ; PRIOR AFFILIATION NUMBER: 60/0/3343

; PRIOR FILING DATE: 1998-02-23  
 ; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR AFFILIATION NUMBER: 60/078910  
 : PRIOR FILING DATE: 1998-03-20

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 ; PRIOR APPLICATION NUMBER: 60/083322

; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28

; PRIOR FILING DATE: 1998-04-28  
 ; PRIOR APPLICATION NUMBER: 60/084600

; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07

; PRIOR FILING DATE: 1998-05-07  
 : PRIOR APPLICATION NUMBER: 60/087106

; PRIOR APPLICATION NUMBER: 60/087106  
 : PRIOR FILING DATE: 1998-05-28

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; PRIOR APPLICATION NUMBER: 60/087607

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; PRIOR FILING DATE: 1998-06-02  
 ;  
 : PRIOR APPLICATION NUMBER: 60/087600

; PRIOR APPLICATION NUMBER: 60/087609



Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLNCTPLGREGGEC 60  
|||||  
Db 1 MRGATVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLNCTPLGREGGEC 60  
|||||

QY 61 HPGSHKVPFFRKHKHTCTCLPNLLCSRPDPDGRYRCSMDLKNINF 105  
|||||  
Db 61 HPGSHKVPFFRKHKHTCTCLPNLLCSRPDPDGRYRCSMDLKNINF 105  
|||||

## RESULT 82

US-09-990-441-371  
; Sequence 371, Application US/09990441  
; Publication No. US20030017982A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Klijavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC47  
; CURRENT APPLICATION NUMBER: US/09/990,441  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
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; PRIOR FILING DATE: 1998-05-28  
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; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759  
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; PRIOR FILING DATE: 1998-06-03  
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; PRIOR FILING DATE: 1998-06-04  
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; PRIOR APPLICATION NUMBER: 60/088028  
; PRIOR FILING DATE: 1998-06-04  
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; PRIOR APPLICATION NUMBER: 60/088030  
; PRIOR FILING DATE: 1998-06-04  
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; PRIOR APPLICATION NUMBER: 60/088858  
; PRIOR FILING DATE: 1998-06-11  
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; PRIOR APPLICATION NUMBER: 60/088876  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/089105  
; PRIOR FILING DATE: 1998-06-12  
; PRIOR APPLICATION NUMBER: 60/089440  
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; PRIOR FILING DATE: 1998-06-17  
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; PRIOR FILING DATE: 1998-06-18  
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; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089908  
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;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
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;; PRIOR APPLICATION NUMBER: 60/090246  
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;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
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;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
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;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
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;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09  
;;  
Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVOCAGTCCCAISLWLRGLRMCTPLGREGSEC 60  
DB 1 MEGATRVSIMLLLVTSDCAVITGACERDVOCAGTCCCAISLWLRGLRMCTPLGREGSEC 60  
QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
RESULT 84  
US-10-140-808-470  
; Sequence 470, Application US/10140808  
; Publication No. US20030017563A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Deschuyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Goddard, Paul J.  
; APPLICANT: Godswski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C182  
; CURRENT APPLICATION NUMBER: US/10/140,808  
; CURRENT FILING DATE: 2002-05-07  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-140-808-470  
Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVOCAGTCCCAISLWLRGLRMCTPLGREGSEC 60  
DB 1 MEGATRVSIMLLLVTSDCAVITGACERDVOCAGTCCCAISLWLRGLRMCTPLGREGSEC 60  
QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
RESULT 84  
US-09-997-857-371  
; Sequence 371, Application US/09997857  
; Publication No. US20030064375A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Deschuyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
US-09-997-857-371  
Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



APPLICANT: Godowski, Paul J.	PRIOR APPLICATION NUMBER: 60/088733
APPLICANT: Grimaldi, J. Christopher	PRIOR FILING DATE: 1998-06-10
APPLICANT: Gurney, Austin L.	PRIOR APPLICATION NUMBER: 60/088738
APPLICANT: Kljavin, Ivar J.	PRIOR FILING DATE: 1998-06-10
APPLICANT: Napier, Mary A.	PRIOR APPLICATION NUMBER: 60/088742
APPLICANT: Pan, James	PRIOR FILING DATE: 1998-06-10
APPLICANT: Paoni, Nicholas F.	PRIOR APPLICATION NUMBER: 60/088810
APPLICANT: Roy, Margaret Ann	PRIOR FILING DATE: 1998-06-10
APPLICANT: Stewart, Timothy A.	PRIOR APPLICATION NUMBER: 60/088824
APPLICANT: Tumas, Daniel	PRIOR FILING DATE: 1998-06-10
APPLICANT: Watanabe, Colin K.	PRIOR APPLICATION NUMBER: 60/088826
APPLICANT: Williams, P. Mickey	PRIOR FILING DATE: 1998-06-10
APPLICANT: Wood, William I.	PRIOR APPLICATION NUMBER: 60/088858
APPLICANT: Zhang, Zemin	PRIOR FILING DATE: 1998-06-11
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic	PRIOR APPLICATION NUMBER: 60/088861
TITLE OF INVENTION: Acids Encoding the Same	PRIOR FILING DATE: 1998-06-11
FILE REFERENCE: P2730P1C43	PRIOR APPLICATION NUMBER: 60/088876
CURRENT APPLICATION NUMBER: US/09/997,857	PRIOR FILING DATE: 1998-06-11
CURRENT FILING DATE: 2001-11-15	PRIOR APPLICATION NUMBER: 60/089101
PRIOR APPLICATION NUMBER: 60/049787	PRIOR FILING DATE: 1998-06-12
PRIOR FILING DATE: 1997-06-16	PRIOR APPLICATION NUMBER: 60/089440
PRIOR APPLICATION NUMBER: 60/062250	PRIOR FILING DATE: 1998-06-15
PRIOR FILING DATE: 1997-10-17	PRIOR APPLICATION NUMBER: 60/089512
PRIOR APPLICATION NUMBER: 60/065186	PRIOR FILING DATE: 1998-06-16
PRIOR FILING DATE: 1997-11-12	PRIOR APPLICATION NUMBER: 60/089514
PRIOR APPLICATION NUMBER: 60/065311	PRIOR FILING DATE: 1998-06-16
PRIOR FILING DATE: 1997-11-13	PRIOR APPLICATION NUMBER: 60/089532
PRIOR APPLICATION NUMBER: 60/066770	PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1997-11-24	PRIOR APPLICATION NUMBER: 60/089538
PRIOR APPLICATION NUMBER: 60/075945	PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1998-02-25	PRIOR APPLICATION NUMBER: 60/089598
PRIOR APPLICATION NUMBER: 60/078910	PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1998-03-20	PRIOR APPLICATION NUMBER: 60/089599
PRIOR APPLICATION NUMBER: 60/083322	PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1998-04-28	PRIOR APPLICATION NUMBER: 60/089600
PRIOR APPLICATION NUMBER: 60/084600	PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/089653
PRIOR APPLICATION NUMBER: 60/087106	PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1998-05-28	PRIOR APPLICATION NUMBER: 60/089801
PRIOR APPLICATION NUMBER: 60/087607	PRIOR FILING DATE: 1998-06-18
PRIOR FILING DATE: 1998-06-02	PRIOR APPLICATION NUMBER: 60/089907
PRIOR APPLICATION NUMBER: 60/087609	PRIOR FILING DATE: 1998-06-18
PRIOR FILING DATE: 1998-06-02	PRIOR APPLICATION NUMBER: 60/089908
PRIOR APPLICATION NUMBER: 60/087759	PRIOR FILING DATE: 1998-06-18
PRIOR FILING DATE: 1998-06-02	PRIOR APPLICATION NUMBER: 60/089947
PRIOR APPLICATION NUMBER: 60/087827	PRIOR FILING DATE: 1998-06-19
PRIOR FILING DATE: 1998-06-03	PRIOR APPLICATION NUMBER: 60/089948
PRIOR APPLICATION NUMBER: 60/088021	PRIOR FILING DATE: 1998-06-19
PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/089952
PRIOR APPLICATION NUMBER: 60/088025	PRIOR FILING DATE: 1998-06-19
PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/090246
PRIOR APPLICATION NUMBER: 60/088026	PRIOR FILING DATE: 1998-06-22
PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/090252
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PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/090254
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PRIOR APPLICATION NUMBER: 60/088030	PRIOR FILING DATE: 1998-06-23
PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/090355
PRIOR APPLICATION NUMBER: 60/088033	PRIOR FILING DATE: 1998-06-23
PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/090429
PRIOR APPLICATION NUMBER: 60/088326	PRIOR FILING DATE: 1998-06-24
PRIOR FILING DATE: 1998-06-04	PRIOR APPLICATION NUMBER: 60/090431
PRIOR APPLICATION NUMBER: 60/088167	PRIOR FILING DATE: 1998-06-24
PRIOR FILING DATE: 1998-06-05	PRIOR APPLICATION NUMBER: 60/090435
PRIOR APPLICATION NUMBER: 60/088202	PRIOR FILING DATE: 1998-06-24
PRIOR FILING DATE: 1998-06-05	PRIOR APPLICATION NUMBER: 60/090444
PRIOR APPLICATION NUMBER: 60/088212	PRIOR FILING DATE: 1998-06-24
PRIOR FILING DATE: 1998-06-05	PRIOR APPLICATION NUMBER: 60/090445
PRIOR APPLICATION NUMBER: 60/088217	PRIOR FILING DATE: 1998-06-24
PRIOR FILING DATE: 1998-06-05	PRIOR APPLICATION NUMBER: 60/090472
PRIOR APPLICATION NUMBER: 60/088655	PRIOR FILING DATE: 1998-06-24
PRIOR FILING DATE: 1998-06-09	PRIOR APPLICATION NUMBER: 60/090535

; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090540  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090542  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090676  
; PRIOR FILING DATE: 1998-06-25  
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; PRIOR APPLICATION NUMBER: 60/090690  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090694  
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; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
  
Qy 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 85  
US-10-232-224-166  
; Sequence 166, Application US/10232224  
; Publication No. US20030065147A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3530PIC111  
; CURRENT APPLICATION NUMBER: US/10/232,224  
; CURRENT FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 166  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-232-224-166

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
  
Qy 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 86  
US-09-997-641-371  
; Sequence 371, Application US/09997641  
; Publication No. US20030224358A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; TITLE OF INVENTION: Acids Encoding the Same  
;; FILE REFERENCE: P27301C39  
;; CURRENT APPLICATION NUMBER: US/09/397,641  
;; CURRENT FILING DATE: 2001-11-15  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/065186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089952  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/090246  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090252  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090254  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694

;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGYRCSMDLKNINF 105

## RESULT 87

US-09-991-150-371  
;; Sequence 371, Application US/09991150  
;; Publication No. US20030194760A1

## GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Baton, Dan L.  
;; APPLICANT: Ferrara, Napoleone  
;; APPLICANT: Fong, Sherman  
;; APPLICANT: Gerber, Hanspeter  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Kljavin, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Pao, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730P1C48

;; CURRENT APPLICATION NUMBER: US/09/991,150  
;; CURRENT FILING DATE: 2001-11-16  
;; Prior Application removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 532  
;; SEQ ID NO 371  
;; LENGTH: 105  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-991-150-371

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGYRCSMDLKNINF 105

## RESULT 88

US-10-152-405-470  
;; Sequence 470, Application US/10152405  
;; Publication No. US20030211571A1

## GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Beresini, Maureen  
;; APPLICANT: DeForge, Laura  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Filvaroff, Ellen  
;; APPLICANT: Gao, Wei-Qiang  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Sherwood, Steven  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3330R1C383  
;; CURRENT APPLICATION NUMBER: US/10/152,405  
;; CURRENT FILING DATE: 2002-05-20  
;; Prior Application removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 550  
;; SEQ ID NO 470  
;; LENGTH: 105  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-152-405-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRLGRLMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFDPDGYRCSMDLKNINF 105

## RESULT 89

US-10-127-852A-470

; Sequence 470, Application US/10127852A  
; Publication No. US20030203428A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C88  
; CURRENT APPLICATION NUMBER: US/10/127,852A  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-08-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-127-852A-470  
Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKHKHTCPCLNLLCSRFPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLNLLCSRFPDGRYRCMDLKNINF 105  
RESULT 90  
US-10-127-900A-470  
; Sequence 470, Application US/10127900A  
; Publication No. US20030203429A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C81  
; CURRENT APPLICATION NUMBER: US/10/127,900A  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-127-900A-470  
Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKHKHTCPCLNLLCSRFPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLNLLCSRFPDGRYRCMDLKNINF 105  
RESULT 91  
US-10-128-685A-470  
; Sequence 470, Application US/10128685A  
; Publication No. US20030203430A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Tamas, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C116  
CURRENT APPLICATION NUMBER: US/10/128,685A  
CURRENT FILING DATE: 2002-04-23  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-128-685A-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
Db 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
QY 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 92  
US-10-131-820A-470  
Sequence 470, Application US/10131820A  
Publication No. US20030203431A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin

APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C144  
CURRENT APPLICATION NUMBER: US/10/131,820A  
CURRENT FILING DATE: 2002-10-17  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-131-820A-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
Db 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGRGEEC 60  
QY 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 93  
US-10-142-886-470  
Sequence 470, Application US/10142886  
Publication No. US20030203432A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C326  
; CURRENT APPLICATION NUMBER: US/10/142,886  
; CURRENT FILING DATE: 2002-05-10  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-142-886-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGSEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGSEC 60  
Qy 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105

RESULT 94  
US-10-146-728-470  
; Sequence 470, Application US/10146728  
; Publication No. US20030203437A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C321  
; CURRENT APPLICATION NUMBER: US/10/146,728  
; CURRENT FILING DATE: 2002-05-15  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-146-728-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGSEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGSEC 60  
Qy 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105

RESULT 95  
US-10-146-786-470  
; Sequence 470, Application US/10146786  
; Publication No. US20030203438A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C313  
; CURRENT APPLICATION NUMBER: US/10/146,786  
; CURRENT FILING DATE: 2002-05-15  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-146-786-470

Query Match 100.0%; Score 589; DB 12; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGSEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGSEC 60  
Qy 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKRGKHTCPCLNLLCSRPDPGRYRCSMDLKNINF 105

RESULT 96  
US-10-147-499-470  
; Sequence 470, Application US/10147499  
; Publication No. US20030203439A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C321  
; CURRENT APPLICATION NUMBER: US/10/147,499  
; CURRENT FILING DATE: 2002-05-15  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-147-499-470

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FILE REFERENCE: P3330RIC348
CURRENT APPLICATION NUMBER: US/10/147.499
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 470
LENGTH: 105
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-499-470

Query Match
Best Local Similarity 100.0%; Score 589; DB 12; Length 105;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGEC 60
DB 1 MGRATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGEC 60
QY 61 HPGSHKVPFFRKXKHTCPCLPNNLLCSRPDPGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRKXKHTCPCLPNNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 97
US-10-157-798-470
Sequence 470, Application US/10157798
Publication No. US20030203440A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330RIC443
CURRENT APPLICATION NUMBER: US/10/157.798
CURRENT FILING DATE: 2002-05-29
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 470
LENGTH: 105
TYPE: PRT
ORGANISM: Homo Sapien
US-10-157-798-470

Query Match
Best Local Similarity 100.0%; Score 589; DB 12; Length 105;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGEC 60
DB 1 MGRATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGEC 60
QY 61 HPGSHKVPFFRKXKHTCPCLPNNLLCSRPDPGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRKXKHTCPCLPNNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 98
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```
US-10-305-654-172
Sequence 172, Application US/10305654
Publication No. US20030224984A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Ferrara, Napoleone
APPLICANT: Gerber, Hans-Peter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Marsters, Scot A.
APPLICANT: Pan, J.
APPLICANT: Paoni, N. F.
APPLICANT: Stephan, J-P. P.
APPLICANT: Watanabe, C.K.
APPLICANT: Wood, W.I.
APPLICANT: Williams, P.M.
APPLICANT: Ye, Weilan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
FILE REFERENCE: P3235R1C1
CURRENT APPLICATION NUMBER: US/10/305.654
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 383
SEQ ID NO 172
LENGTH: 105
TYPE: PRT
ORGANISM: Homosapiens
US-10-305-654-172

Query Match
Best Local Similarity 100.0%; Score 589; DB 12; Length 105;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGEC 60
DB 1 MGRATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGEC 60
QY 61 HPGSHKVPFFRKXKHTCPCLPNNLLCSRPDPGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRKXKHTCPCLPNNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 99
US-10-016-481-2
Sequence 2, Application US/10016481
Publication No. US20020115610A1
GENERAL INFORMATION:
APPLICANT: Zhou, Qun-Yong
APPLICANT: Ehler, Frederick
TITLE OF INVENTION: Prokineticin Polypeptides, Related
FILE REFERENCE: P-UC 501g
CURRENT APPLICATION NUMBER: US/10/016.481
CURRENT FILING DATE: 2001-11-01
PRIOR APPLICATION NUMBER: 60/245,882
PRIOR FILING DATE: 2000-11-03
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-10-016-481-2

Query Match
Best Local Similarity 100.0%; Score 589; DB 13; Length 105;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLLVTSQCAVITGACERDVQCGAGTCCALSLWRLGRLMCTPLGREGEC 60
```



Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCATSLWLRGLRMCTPLGREGEC 60

Qy 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPGGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPGGRYRCSDMLKNINF 105

RESULT 100

US-10-027-603-2  
; Sequence 2, Application US/10027603  
; Publication No. US20020192634A1  
; GENERAL INFORMATION:  
; APPLICANT: Pertara, Napoleone  
; APPLICANT: Watanabe, Colin  
; APPLICANT: Wood, William I.  
; APPLICANT: Shek, Theresa  
; TITLE OF INVENTION: EG-VEGF NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: GENENT.1516CPI  
; CURRENT APPLICATION NUMBER: US/10/027,603  
; PRIOR APPLICATION NUMBER: 09/886,242  
; PRIOR FILING DATE: 2001-08-20  
; PRIOR APPLICATION NUMBER: 60/230,978  
; PRIOR FILING DATE: 2000-09-07  
; PRIOR APPLICATION NUMBER: 60/213,637  
; PRIOR FILING DATE: 2000-06-23  
; PRIOR APPLICATION NUMBER: 60/145,698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: 60/096,146  
; PRIOR FILING DATE: 1998-08-11  
; PRIOR APPLICATION NUMBER: PCT/US00/32678  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: PCT/US00/08439  
; PRIOR FILING DATE: 2000-03-30  
; PRIOR APPLICATION NUMBER: PCT/US00/04914  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; PRIOR APPLICATION NUMBER: PCT/US99/12252  
; PRIOR FILING DATE: 1999-06-02  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
US-10-027-603-2  
  
Query Match 100.0%; Score 589; DB 13; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCATSLWLRGLRMCTPLGREGEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCATSLWLRGLRMCTPLGREGEC 60  
Qy 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPGGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPGGRYRCSDMLKNINF 105  
  
RESULT 101  
US-10-028-072-470  
; Sequence 470, Application US/10028072  
; Publication No. US20030004311A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang  
FILE REFERENCE:  
CURRENT APPLICATION NUMBER: US/10/028,072  
PRIOR FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059836  
PRIOR FILING DATE: 1997-09-24  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062285  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062814  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/062816  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063045  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063082  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/063127  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063327  
PRIOR FILING DATE: 1997-10-27  
PRIOR APPLICATION NUMBER: 60/063329  
PRIOR FILING DATE: 1997-10-27  
PRIOR APPLICATION NUMBER: 60/063550  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063561  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063704  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063733  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063735  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063738  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063755  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/064248

; PRIOR FILING DATE: 1997-11-03  
; PRIOR APPLICATION NUMBER: 60/064809  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065846  
; PRIOR FILING DATE: 1997-11-17  
; PRIOR APPLICATION NUMBER: 60/066364  
; PRIOR FILING DATE: 1997-11-21  
; PRIOR APPLICATION NUMBER: 60/066453  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/066511  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/069212  
; PRIOR FILING DATE: 1997-12-11  
; PRIOR APPLICATION NUMBER: 60/069278  
; PRIOR FILING DATE: 1997-12-11  
; PRIOR APPLICATION NUMBER: 60/069334  
; PRIOR FILING DATE: 1997-12-11  
; PRIOR APPLICATION NUMBER: 60/069694  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 60/072320  
; PRIOR FILING DATE: 1998-01-23  
; PRIOR APPLICATION NUMBER: 60/073612  
; PRIOR FILING DATE: 1998-02-04  
; PRIOR APPLICATION NUMBER: 60/074086  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074092  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/077791  
; PRIOR FILING DATE: 1998-03-12  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079663  
; PRIOR FILING DATE: 1998-02-27  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/080165  
; PRIOR FILING DATE: 1998-03-31  
; PRIOR APPLICATION NUMBER: 60/081203  
; PRIOR FILING DATE: 1998-04-09  
; PRIOR APPLICATION NUMBER: 60/081229  
; PRIOR FILING DATE: 1998-04-09  
; PRIOR APPLICATION NUMBER: 60/081695  
; PRIOR FILING DATE: 1998-04-14  
; PRIOR APPLICATION NUMBER: 60/081817  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/081818  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082999  
; PRIOR FILING DATE: 1998-04-24  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/083545  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/084627  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/084637  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/085149  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085323  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: 60/085338  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: 60/085339  
; PRIOR FILING DATE: 1998-05-13

; PRIOR APPLICATION NUMBER: 60/085579  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085697  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085704  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/086414  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/086430  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/088026  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088730  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088741  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088810  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088858  
; PRIOR FILING DATE: 19/98-06-11  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089599  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089907  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089947  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/090349  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090429  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090445  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090538  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090863  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/091360  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPIORGEEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMCTPIORGEEC 60

QY 61 HPGSHKVPFFFKRKHHTCPCLPNLLCSRFPDGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFFKRKHHTCPCLPNLLCSRFPDGRVRCSDMLKNINF 105

RESULT 102  
US-10-121-049-470  
; Sequence 470, Application US/10121049  
; Publication No. US2003002239A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey

APPLICANT: Godowski,Paul J.  
APPLICANT: Gurney,Austin L.  
APPLICANT: Sherwood,Steven  
APPLICANT: Smith,Victoria  
APPLICANT: Stewart,Timothy A.  
APPLICANT: Tumas,Daniel  
APPLICANT: Watanabe,Colin K  
APPLICANT: Wood,William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C17  
CURRENT APPLICATION NUMBER: US/10/121,049  
CURRENT FILING DATE: 2002-04-12  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-121-049-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60

Qy 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
Db 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 103  
US-10-123-904-470  
Sequence 470, Application US/10123904  
Publication No. US20030022328A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C160  
CURRENT APPLICATION NUMBER: US/10/140,470  
CURRENT FILING DATE: 2002-05-06  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-140-470-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60

Qy 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
Db 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 105  
US-10-175-746-470  
Sequence 470, Application US/10175746  
Publication No. US20030027270A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C54  
CURRENT APPLICATION NUMBER: US/10/123,904  
CURRENT FILING DATE: 2002-04-16  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-123-904-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60

Qy 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
Db 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 104  
US-10-140-470-470  
Sequence 470, Application US/10140470  
Publication No. US20030022331A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C160  
CURRENT APPLICATION NUMBER: US/10/140,470  
CURRENT FILING DATE: 2002-05-06  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-140-470-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60

Qy 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
Db 61 HPGSHKVPFFRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 105  
US-10-175-746-470  
Sequence 470, Application US/10175746  
Publication No. US20030027270A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C54  
CURRENT APPLICATION NUMBER: US/10/123,904  
CURRENT FILING DATE: 2002-04-16  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-123-904-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C353  
CURRENT APPLICATION NUMBER: US/10/175,746  
CURRENT FILING DATE: 2002-06-19  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-175-746-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
Qy 61 HPGSHKVPFFFRKRKHTKHTCPCLPNTLLCSRFDPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFFRKRKHTKHTCPCLPNTLLCSRFDPDGRYRCSMDLKNINF 105

## RESULT 106

US-10-176-918-470  
Sequence 470, Application US/10176918  
Publication No. US20030027275A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3330R1C382

CURRENT APPLICATION NUMBER: US/10/176,918  
CURRENT FILING DATE: 2002-06-20

Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470

LENGTH: 105  
TYPE: PRT

ORGANISM: Homo Sapien  
US-10-176-918-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
Qy 61 HPGSHKVPFFFRKRKHTKHTCPCLPNTLLCSRFDPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFFRKRKHTKHTCPCLPNTLLCSRFDPDGRYRCSMDLKNINF 105

## RESULT 107

US-10-176-921-470  
Sequence 470, Application US/10176921

Publication No. US20030027276A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3330R1C288

CURRENT APPLICATION NUMBER: US/10/176,921  
CURRENT FILING DATE: 2002-06-20

Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470

LENGTH: 105  
TYPE: PRT

ORGANISM: Homo Sapien  
US-10-176-921-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
Qy 61 HPGSHKVPFFFRKRKHTKHTCPCLPNTLLCSRFDPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFFRKRKHTKHTCPCLPNTLLCSRFDPDGRYRCSMDLKNINF 105

## RESULT 108

US-10-227-894-166

Sequence 166, Application US/10227884

Publication No. US20030027988A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Desnoyers, Luc  
APPLICANT: Gerritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

;; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
;; FILE REFERENCE: F5530PIC79  
;; CURRENT APPLICATION NUMBER: US/10/227,884  
;; CURRENT FILING DATE: 2002-08-26  
;; PRIOR APPLICATION NUMBER: 10/119,480  
;; PRIOR FILING DATE: 2002-04-09  
;; PRIOR APPLICATION NUMBER: 60/059113  
;; PRIOR FILING DATE: 1997-09-17  
;; PRIOR APPLICATION NUMBER: 60/062287  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063549  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/064103  
;; PRIOR FILING DATE: 1997-10-31  
;; PRIOR APPLICATION NUMBER: 60/069873  
;; PRIOR FILING DATE: 1997-12-17  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/079294  
;; PRIOR FILING DATE: 1998-03-25  
;; PRIOR APPLICATION NUMBER: 60/079656  
;; PRIOR FILING DATE: 1998-03-26  
;; PRIOR APPLICATION NUMBER: 60/079728  
;; PRIOR FILING DATE: 1998-03-27  
;; PRIOR APPLICATION NUMBER: 60/081819  
;; PRIOR FILING DATE: 1998-04-15  
;; PRIOR APPLICATION NUMBER: 60/081955  
;; PRIOR FILING DATE: 1998-04-15  
;; PRIOR APPLICATION NUMBER: 60/082804  
;; PRIOR FILING DATE: 1998-04-22  
;; PRIOR APPLICATION NUMBER: 60/084441  
;; PRIOR FILING DATE: 1998-05-06  
;; PRIOR APPLICATION NUMBER: 60/085323  
;; PRIOR FILING DATE: 1998-05-13  
;; PRIOR APPLICATION NUMBER: 60/085579  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086392  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089905  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090691  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/095302  
;; PRIOR FILING DATE: 1998-08-04  
;; PRIOR APPLICATION NUMBER: 60/095318  
;; PRIOR FILING DATE: 1998-08-04  
;; PRIOR APPLICATION NUMBER: 60/095916  
;; PRIOR FILING DATE: 1998-08-10  
;; PRIOR APPLICATION NUMBER: 60/096146  
;; PRIOR FILING DATE: 1998-08-11  
;; PRIOR APPLICATION NUMBER: 60/096791  
;; PRIOR FILING DATE: 1998-08-17  
;; PRIOR APPLICATION NUMBER: 60/097986  
;; PRIOR FILING DATE: 1998-08-26  
;; PRIOR APPLICATION NUMBER: 60/098544  
;; PRIOR FILING DATE: 1998-08-31  
;; PRIOR APPLICATION NUMBER: 60/099596  
;; PRIOR FILING DATE: 1998-09-09  
;; PRIOR APPLICATION NUMBER: 60/099598  
;; PRIOR FILING DATE: 1998-09-09  
;; PRIOR APPLICATION NUMBER: 60/099803  
;; PRIOR FILING DATE: 1998-09-10  
;; PRIOR APPLICATION NUMBER: 60/099811  
;; PRIOR FILING DATE: 1998-09-10  
;; PRIOR APPLICATION NUMBER: 60/099812  
;; PRIOR FILING DATE: 1998-09-10  
;; PRIOR APPLICATION NUMBER: 60/099816  
;; PRIOR FILING DATE: 1998-09-10  
;; PRIOR APPLICATION NUMBER: 60/100038  
;; PRIOR FILING DATE: 1998-09-11  
;; PRIOR APPLICATION NUMBER: 60/100385  
;; PRIOR FILING DATE: 1998-09-15  
;; PRIOR APPLICATION NUMBER: 60/100390  
;; PRIOR FILING DATE: 1998-09-15  
;; PRIOR APPLICATION NUMBER: 60/100627  
;; PRIOR FILING DATE: 1998-09-16  
;; PRIOR APPLICATION NUMBER: 60/100848  
;; PRIOR FILING DATE: 1998-09-18  
;; PRIOR APPLICATION NUMBER: 60/100919  
;; PRIOR FILING DATE: 1998-09-17  
;; PRIOR APPLICATION NUMBER: 60/101477  
;; PRIOR FILING DATE: 1998-09-23  
;; PRIOR APPLICATION NUMBER: 60/101738  
;; PRIOR FILING DATE: 1998-09-24  
;; PRIOR APPLICATION NUMBER: 60/101741  
;; PRIOR FILING DATE: 1998-09-24  
;; PRIOR APPLICATION NUMBER: 60/101786  
;; PRIOR FILING DATE: 1998-09-25  
;; PRIOR APPLICATION NUMBER: 60/101916  
;; PRIOR FILING DATE: 1998-09-24  
;; PRIOR APPLICATION NUMBER: 60/101922  
;; PRIOR FILING DATE: 1998-09-24  
;; PRIOR APPLICATION NUMBER: 60/106178  
;; PRIOR FILING DATE: 1998-10-28  
;; PRIOR APPLICATION NUMBER: 60/106248  
;; PRIOR FILING DATE: 1998-10-29  
;; PRIOR APPLICATION NUMBER: 60/106464  
;; PRIOR FILING DATE: 1998-10-30  
;; PRIOR APPLICATION NUMBER: 60/106905  
;; PRIOR FILING DATE: 1998-11-03  
;; PRIOR APPLICATION NUMBER: 60/108787  
;; PRIOR FILING DATE: 1998-11-17  
;; PRIOR APPLICATION NUMBER: 60/108801  
;; PRIOR FILING DATE: 1998-11-17  
;; PRIOR APPLICATION NUMBER: 60/108849  
;; PRIOR FILING DATE: 1998-11-18  
;; PRIOR APPLICATION NUMBER: 60/112422  
;; PRIOR FILING DATE: 1998-12-15  
;; PRIOR APPLICATION NUMBER: 60/113296  
;; PRIOR FILING DATE: 1998-12-22  
;; PRIOR APPLICATION NUMBER: 60/113605  
;; PRIOR FILING DATE: 1998-12-23  
;; PRIOR APPLICATION NUMBER: 60/113621  
;; PRIOR FILING DATE: 1998-12-23  
;; PRIOR APPLICATION NUMBER: 60/115558  
;; PRIOR FILING DATE: 1999-01-12  
;; PRIOR APPLICATION NUMBER: 60/115565  
;; PRIOR FILING DATE: 1999-01-12  
;; PRIOR APPLICATION NUMBER: 60/115733  
;; PRIOR FILING DATE: 1999-01-12  
;; PRIOR APPLICATION NUMBER: 60/119549  
;; PRIOR FILING DATE: 1999-02-10  
;; PRIOR APPLICATION NUMBER: 60/123618  
;; PRIOR FILING DATE: 1999-03-10  
;; PRIOR APPLICATION NUMBER: 60/125259  
;; PRIOR FILING DATE: 1999-03-19  
;; PRIOR APPLICATION NUMBER: 60/125775  
;; PRIOR FILING DATE: 1999-03-23  
;; PRIOR APPLICATION NUMBER: 60/126773  
;; PRIOR FILING DATE: 1999-03-29  
;; PRIOR APPLICATION NUMBER: 60/127887  
;; PRIOR FILING DATE: 1999-04-05  
;; PRIOR APPLICATION NUMBER: 60/130232  
;; PRIOR FILING DATE: 1999-04-21

PRIOR APPLICATION NUMBER: 60/131022  
PRIOR FILING DATE: 1999-04-26  
PRIOR APPLICATION NUMBER: 60/131270  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131291  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131445  
PRIOR FILING DATE: 1999-04-28  
PRIOR APPLICATION NUMBER: 60/134287  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: 60/140650  
PRIOR FILING DATE: 1999-06-22  
PRIOR APPLICATION NUMBER: 60/140723  
PRIOR FILING DATE: 1999-06-22  
PRIOR APPLICATION NUMBER: 60/141037  
PRIOR FILING DATE: 1999-06-23  
PRIOR APPLICATION NUMBER: 60/144758  
PRIOR FILING DATE: 1999-07-20  
PRIOR APPLICATION NUMBER: 60/145698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: 60/146222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: 60/146963  
PRIOR FILING DATE: 1999-08-03  
PRIOR APPLICATION NUMBER: 60/149320  
PRIOR FILING DATE: 1999-08-17  
PRIOR APPLICATION NUMBER: 60/149638  
PRIOR FILING DATE: 1999-08-17  
PRIOR APPLICATION NUMBER: 60/151733  
PRIOR FILING DATE: 1999-08-31  
PRIOR APPLICATION NUMBER: 60/164418  
PRIOR FILING DATE: 1999-11-09  
PRIOR APPLICATION NUMBER: 60/166361  
PRIOR FILING DATE: 1999-11-16  
PRIOR APPLICATION NUMBER: 60/169445  
PRIOR FILING DATE: 1999-12-07  
PRIOR APPLICATION NUMBER: 60/169495  
PRIOR FILING DATE: 1999-12-07  
PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
DB 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 109  
US-10-137-865-470  
Sequence 470, Application US/10137865  
Publication No. US20030032155A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C154  
CURRENT FILING DATE: 2002-05-03  
CURRENT APPLICATION NUMBER: US/10/137,865  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-137-865-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
DB 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 110  
US-10-140-474-470  
Sequence 470, Application US/10140474  
Publication No. US20030032156A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C162  
CURRENT FILING DATE: 2002-05-06  
CURRENT APPLICATION NUMBER: US/10/140,474  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-140-474-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
DB 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRKXKHTCTCPCLNLLCSRPDPDGRYCSMDLKNINF 105

## RESULT 111

US-10-142-431-470  
; Sequence 470, Application US/10142431  
; Publication No. US20030036179A1

## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C251

; CURRENT APPLICATION NUMBER: US/10/142,431

; CURRENT FILING DATE: 2002-05-10

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-142-431-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRKXKHTCTCPCLNLLCSRPDPDGRYCSMDLKNINF 105

Db 61 HPGSHKVPFFRKXKHTCTCPCLNLLCSRPDPDGRYCSMDLKNINF 105

## RESULT 112

US-10-143-114-470  
; Sequence 470, Application US/10143114  
; Publication No. US20030036180A1

## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C211

; CURRENT APPLICATION NUMBER: US/10/143,114

; Prior Application removed - See Pal.m or File Wrapper

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-143-114-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRKXKHTCTCPCLNLLCSRPDPDGRYCSMDLKNINF 105

Db 61 HPGSHKVPFFRKXKHTCTCPCLNLLCSRPDPDGRYCSMDLKNINF 105

## RESULT 113

US-10-230-163-166

; Sequence 166, Application US/10230163

; Publication No. US20030036635A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Desnoyers, Luc

; APPLICANT: Gerritsen, Mary

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Smith, Victoria

; APPLICANT: Stephan, Jean-Philippe F.

; APPLICANT: Watanabe, Colin L.

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3530F1C96

; CURRENT APPLICATION NUMBER: US/10/230,163

; CURRENT FILING DATE: 2002-08-28

; Prior Application Number: 10/119,480

; Prior Application Number: 60/059113

; Prior Application Number: 60/062287

; Prior Application Number: 60/063549

; Prior Application Number: 60/064103

; Prior Application Number: 60/069873

; Prior Application Number: 60/078910

; Prior Application Number: 60/079294

; Prior Application Number: 60/079656

; Prior Application Number: 60/079728

; Prior Application Number: 60/081819

; Prior Application Number: 60/081955

; Prior Application Number: 60/082804

; Prior Application Number: 1998-04-22

1	PRIOR FILING DATE: 1998-09-24	
2	PRIOR APPLICATION NUMBER: 60/106178	
3	PRIOR FILING DATE: 1998-10-28	
4	PRIOR APPLICATION NUMBER: 60/106248	
5	PRIOR FILING DATE: 1998-10-29	
6	PRIOR APPLICATION NUMBER: 60/106464	
7	PRIOR FILING DATE: 1998-10-30	
8	PRIOR APPLICATION NUMBER: 60/106905	
9	PRIOR FILING DATE: 1998-11-03	
10	PRIOR APPLICATION NUMBER: 60/108787	
11	PRIOR FILING DATE: 1998-11-17	
12	PRIOR APPLICATION NUMBER: 60/108801	
13	PRIOR FILING DATE: 1998-11-17	
14	PRIOR APPLICATION NUMBER: 60/108849	
15	PRIOR FILING DATE: 1998-11-18	
16	PRIOR APPLICATION NUMBER: 60/112422	
17	PRIOR FILING DATE: 1998-12-15	
18	PRIOR APPLICATION NUMBER: 60/113296	
19	PRIOR FILING DATE: 1998-12-22	
20	PRIOR APPLICATION NUMBER: 60/113605	
21	PRIOR FILING DATE: 1998-12-23	
22	PRIOR APPLICATION NUMBER: 60/113621	
23	PRIOR FILING DATE: 1998-12-23	
24	PRIOR APPLICATION NUMBER: 60/115558	
25	PRIOR FILING DATE: 1999-01-12	
26	PRIOR APPLICATION NUMBER: 60/115565	
27	PRIOR FILING DATE: 1999-01-12	
28	PRIOR APPLICATION NUMBER: 60/115733	
29	PRIOR FILING DATE: 1999-01-12	
30	PRIOR APPLICATION NUMBER: 60/119549	
31	PRIOR FILING DATE: 1999-02-10	
32	PRIOR APPLICATION NUMBER: 60/123618	
33	PRIOR FILING DATE: 1999-03-10	
34	PRIOR APPLICATION NUMBER: 60/125259	
35	PRIOR FILING DATE: 1999-03-19	
36	PRIOR APPLICATION NUMBER: 60/125775	
37	PRIOR FILING DATE: 1999-03-23	
38	PRIOR APPLICATION NUMBER: 60/126773	
39	PRIOR FILING DATE: 1999-03-29	
40	PRIOR APPLICATION NUMBER: 60/127887	
41	PRIOR FILING DATE: 1999-04-05	
42	PRIOR APPLICATION NUMBER: 60/130232	
43	PRIOR FILING DATE: 1999-04-21	
44	PRIOR APPLICATION NUMBER: 60/131022	
45	PRIOR FILING DATE: 1999-04-26	
46	PRIOR APPLICATION NUMBER: 60/131270	
47	PRIOR FILING DATE: 1999-04-27	
48	PRIOR APPLICATION NUMBER: 60/131291	
49	PRIOR FILING DATE: 1999-04-27	
50	PRIOR APPLICATION NUMBER: 60/131445	
51	PRIOR FILING DATE: 1999-04-28	
52	PRIOR APPLICATION NUMBER: 60/134287	
53	PRIOR FILING DATE: 1999-05-14	
54	PRIOR APPLICATION NUMBER: 60/140650	
55	PRIOR FILING DATE: 1999-06-22	
56	PRIOR APPLICATION NUMBER: 60/140723	
57	PRIOR FILING DATE: 1999-06-22	
58	PRIOR APPLICATION NUMBER: 60/141037	
59	PRIOR FILING DATE: 1999-06-23	
60	PRIOR APPLICATION NUMBER: 60/144758	
61	PRIOR FILING DATE: 1999-07-20	
62	PRIOR APPLICATION NUMBER: 60/145698	
63	PRIOR FILING DATE: 1999-07-26	
64	PRIOR APPLICATION NUMBER: 60/146222	
65	PRIOR FILING DATE: 1999-07-28	
66	PRIOR APPLICATION NUMBER: 60/146963	
67	PRIOR FILING DATE: 1999-08-03	
68	PRIOR APPLICATION NUMBER: 60/149320	
69	PRIOR FILING DATE: 1999-08-17	
70	PRIOR APPLICATION NUMBER: 60/149638	
71	PRIOR FILING DATE: 1999-08-17	
72	PRIOR APPLICATION NUMBER: 60/151733	
73	PRIOR FILING DATE: 1999-08-15	



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; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFRKHKHTCPCPLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKHKHTCPCPLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 114
US-10-140-002-470
; Sequence 470, Application US/10140002
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333031C59
; CURRENT APPLICATION NUMBER: US/10/140,002
; PRIOR FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-002-470

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFRKHKHTCPCPLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKHKHTCPCPLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 115
US-10-230-338-166
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```
; Sequence 166, Application US/10230338
; Publication No. US20030044934A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe P.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P35301C92
; CURRENT APPLICATION NUMBER: US/10/230,338
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 166
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-166

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFRKHKHTCPCPLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKHKHTCPCPLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 116
US-10-142-419-470
; Sequence 470, Application US/10142419
; Publication No. US20030044945A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
```

```
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C244
; CURRENT APPLICATION NUMBER: US/10/142.419
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-419-470

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 117
US-10-218-631-166
; Sequence 166, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C14
; CURRENT APPLICATION NUMBER: US/10/218.631
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
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; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 166
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-631-166

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 118
US-10-123-262-470
; Sequence 470, Application US/10123262
; Publication No. US20030049816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C38
; CURRENT APPLICATION NUMBER: US/10/123.262
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-262-470

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60
Db 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFFRKRKHTCPCLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 119
```

```
US-10-142-423-470
; Sequence 470, Application US/10142423
; Publication No. US20030049817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C249
; CURRENT APPLICATION NUMBER: US/10/142,423
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-423-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60
OY 61 HPGSHKVPFFRKRRKHTCTCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRKRRKHTCTCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 120
US-10-230-414-166
; Sequence 166, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C98
; CURRENT APPLICATION NUMBER: US/10/230,414
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
```

```
US-10-121-050-470
; Sequence 470, Application US/10121050
; Publication No. US20030054516A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C20
; CURRENT APPLICATION NUMBER: US/10/121,050
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-050-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60
OY 61 HPGSHKVPFFRKRRKHTCTCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRKRRKHTCTCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 121
US-10-121-050-470
; Sequence 470, Application US/10121050
; Publication No. US20030054516A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C20
; CURRENT APPLICATION NUMBER: US/10/121,050
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-050-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60
OY 61 HPGSHKVPFFRKRRKHTCTCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRKRRKHTCTCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105
```

	Matches	105;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	1	MRGATRVISIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWRLGURNCTPLGREGEEC	60							
Db	1	MRGATRVISIMLLVTVSDCAVITGACERDVQCGAGTCCALSLWRLGURNCTPLGREGEEC	60							
Qy	61	HPGSHKVPFFPRKRGHTTCPLPNLLCSRFDPGRYRCSDMLKKNF	105							
Db	61	HPGSHKVPFFPRKRGHTTCPLPNLLCSRFDPGRYRCSDMLKKNF	105							

```

RESULT 122
US-10-141-755-470
; Sequence 470, Application US/10141755
; Publication No. US20030054517A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C192
; CURRENT APPLICATION NUMBER: US/10/141,755
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-755-470

```

RESULT 123  
US-10-132-812-16  
; Sequence 16, Application US/10132812  
; Publication No. US20030059856A1  
; GENERAL INFORMATION:  
; APPLICANT: Ames, Robert S.  
; APPLICANT: Sarau, Henry M.  
; APPLICANT: Stemmgen, J. Randall  
; APPLICANT: McNulty, Dean E.  
; APPLICANT: Vawter, Lisa  
; APPLICANT: Foley, James J.  
; TITLE OF INVENTION: Methods Of Screening For Agonists And  
; Agonists Of The Interaction Between The AXOR8 And AXOR52  
; TITLE OF INVENTION: Agonists Of The Interaction Between The AXOR8 And AXOR52  
; TITLE OF INVENTION: Receptors And Ligands Thereof

```

; FILE REFERENCE: P51256
; CURRENT APPLICATION NUMBER: US/10/132,812
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 60/286,234
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-132-812-16

```

```

RESULT 124
US-10-143-032-470
; Sequence 470, Application US/10143032
; Publication NO. US20030059909A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P33303245
; CURRENT APPLICATION NUMBER: US/10/143,032
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-143-032-470

```

Query Match	100.0%;	Score 589;	DB 14;	Length 105;
Best Local Similarity	100.0%;	Pred. No. 2.6e-55;		
Matches 105;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

  

Qy	1	MRCGATRVSI	MLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRGEEC	60
Db	1	MRCGATRVSI	MLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGRGEEC	60
Qy	61	HPGSHKVPFR	KRKHHTCPCLPNLLCSRFPDGRYRCMDLKNINF	105
Db	61	HPGSHKVPFR	KRKHHTCPCLPNLLCSRFPDGRYRCMDLKNINF	105

RESULT 125

US-10-123-108-470

; Sequence 470, Application US/10123108

; Publication No. US20030068793A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C36

; CURRENT FILING DATE: 2002-04-15

; CURRENT FILING DATE: 2002-04-15

; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-06-18

; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059115

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059117

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059184

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059588

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059836

; PRIOR FILING DATE: 1997-09-24

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/062285

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/062287

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/062814

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/062816

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/053045

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063082

; PRIOR FILING DATE: 1997-10-31

; PRIOR APPLICATION NUMBER: 60/063127

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063327

; PRIOR FILING DATE: 1997-10-27

; PRIOR APPLICATION NUMBER: 60/063329

; PRIOR FILING DATE: 1997-10-27

; PRIOR APPLICATION NUMBER: 60/063550

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063561

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063561

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063561

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063561

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063561

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063561

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063561

; PRIOR FILING DATE: 1997-10-28

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063704

; PRIOR FILING DATE: 1997-10-29

; PRIOR APPLICATION NUMBER: 60/063733

; PRIOR FILING DATE: 1997-10-29

; PRIOR APPLICATION NUMBER: 60/063735

; PRIOR FILING DATE: 1997-10-29

; PRIOR APPLICATION NUMBER: 60/063738

; PRIOR FILING DATE: 1997-10-29

; PRIOR APPLICATION NUMBER: 60/063755

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/064248

; PRIOR FILING DATE: 1997-11-03

; PRIOR APPLICATION NUMBER: 60/064809

; PRIOR FILING DATE: 1997-11-07

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065846

; PRIOR FILING DATE: 1997-11-17

; PRIOR APPLICATION NUMBER: 60/066364

; PRIOR FILING DATE: 1997-11-21

; PRIOR APPLICATION NUMBER: 60/066453

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/066511

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/069212

; PRIOR FILING DATE: 1997-12-11

; PRIOR APPLICATION NUMBER: 60/069278

; PRIOR FILING DATE: 1997-12-11

; PRIOR APPLICATION NUMBER: 60/069334

; PRIOR FILING DATE: 1997-12-11

; PRIOR APPLICATION NUMBER: 60/069694

; PRIOR FILING DATE: 1997-12-16

; PRIOR APPLICATION NUMBER: 60/072320

; PRIOR FILING DATE: 1998-01-23

; PRIOR APPLICATION NUMBER: 60/073612

; PRIOR FILING DATE: 1998-02-04

; PRIOR APPLICATION NUMBER: 60/074086

; PRIOR FILING DATE: 1998-02-09

; PRIOR APPLICATION NUMBER: 60/074092

; PRIOR FILING DATE: 1998-02-09

; PRIOR APPLICATION NUMBER: 60/077791

; PRIOR FILING DATE: 1998-03-12

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/079294

; PRIOR FILING DATE: 1998-03-25

; PRIOR APPLICATION NUMBER: 60/079663

; PRIOR FILING DATE: 1998-02-27

; PRIOR APPLICATION NUMBER: 60/079728

; PRIOR FILING DATE: 1998-03-27

; PRIOR APPLICATION NUMBER: 60/080165

; PRIOR FILING DATE: 1998-03-31

; PRIOR APPLICATION NUMBER: 60/081203

; PRIOR FILING DATE: 1998-04-09

; PRIOR APPLICATION NUMBER: 60/081229

; PRIOR FILING DATE: 1998-04-09

; PRIOR APPLICATION NUMBER: 60/081695

; PRIOR FILING DATE: 1998-04-14

; PRIOR APPLICATION NUMBER: 60/081817

; PRIOR FILING DATE: 1998-04-15

; PRIOR APPLICATION NUMBER: 60/081818

; PRIOR FILING DATE: 1998-04-15

; PRIOR APPLICATION NUMBER: 60/082999

; PRIOR FILING DATE: 1998-04-24

; PRIOR APPLICATION NUMBER: 60/083322

; PRIOR FILING DATE: 1998-04-28

; PRIOR APPLICATION NUMBER: 60/083545

; PRIOR FILING DATE: 1998-04-29

; PRIOR APPLICATION NUMBER: 60/084600

; PRIOR FILING DATE: 1998-05-07

;	PRIOR APPLICATION NUMBER: 60/0846217
;	PRIOR FILING DATE: 1998-05-07
;	PRIOR APPLICATION NUMBER: 60/084637
;	PRIOR FILING DATE: 1998-05-07
;	PRIOR APPLICATION NUMBER: 60/085149
;	PRIOR FILING DATE: 1998-05-12
;	PRIOR APPLICATION NUMBER: 60/085323
;	PRIOR FILING DATE: 1998-05-13
;	PRIOR APPLICATION NUMBER: 60/085338
;	PRIOR FILING DATE: 1998-05-13
;	PRIOR APPLICATION NUMBER: 60/085339
;	PRIOR FILING DATE: 1998-05-13
;	PRIOR APPLICATION NUMBER: 60/085579
;	PRIOR FILING DATE: 1998-05-15
;	PRIOR APPLICATION NUMBER: 60/085697
;	PRIOR FILING DATE: 1998-05-15
;	PRIOR APPLICATION NUMBER: 60/085704
;	PRIOR FILING DATE: 1998-05-15
;	PRIOR APPLICATION NUMBER: 60/086414
;	PRIOR FILING DATE: 1998-05-22
;	PRIOR APPLICATION NUMBER: 60/086430
;	PRIOR FILING DATE: 1998-05-22
;	PRIOR APPLICATION NUMBER: 60/087106
;	PRIOR FILING DATE: 1998-05-28
;	PRIOR APPLICATION NUMBER: 60/088026
;	PRIOR FILING DATE: 1998-06-04
;	PRIOR APPLICATION NUMBER: 60/088730
;	PRIOR FILING DATE: 1998-06-10
;	PRIOR APPLICATION NUMBER: 60/088741
;	PRIOR FILING DATE: 1998-06-10
;	PRIOR APPLICATION NUMBER: 60/088810
;	PRIOR FILING DATE: 1998-06-10
;	PRIOR APPLICATION NUMBER: 60/088858
;	PRIOR FILING DATE: 1998-06-11
;	PRIOR APPLICATION NUMBER: 60/089532
;	PRIOR FILING DATE: 1998-06-17
;	PRIOR APPLICATION NUMBER: 60/089599
;	PRIOR FILING DATE: 1998-06-17
;	PRIOR APPLICATION NUMBER: 60/089907
;	PRIOR FILING DATE: 1998-06-18
;	PRIOR APPLICATION NUMBER: 60/089947
;	PRIOR FILING DATE: 1998-06-19
;	PRIOR APPLICATION NUMBER: 60/090349
;	PRIOR FILING DATE: 1998-06-23
;	PRIOR APPLICATION NUMBER: 60/090429
;	PRIOR FILING DATE: 1998-06-24
;	PRIOR APPLICATION NUMBER: 60/090445
;	PRIOR FILING DATE: 1998-06-24
;	PRIOR APPLICATION NUMBER: 60/090538
;	PRIOR FILING DATE: 1998-06-24
;	PRIOR APPLICATION NUMBER: 60/090863
;	PRIOR FILING DATE: 1998-06-26
;	PRIOR APPLICATION NUMBER: 60/091360
;	PRIOR FILING DATE: 1998-07-01
;	PRIOR APPLICATION NUMBER: 60/091519
;	PRIOR FILING DATE: 1998-07-02
;	PRIOR APPLICATION NUMBER: 60/091982

```

; Sequence 470, Application US/10123236
; Publication No. US20030068795A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC33
; CURRENT APPLICATION NUMBER: US/10/123,236
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-236-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps

Qy 1 MRGATRVSLMLLVTVSDCAVITGACERDVQCGAGTCCTCAISLWRLGLRWCTPLGREGEE
Db 1 MRGATRVSLMLLVTVSDCAVITGACERDVQCGAGTCCTCAISLWRLGLRWCTPLGREGEE

Qy 61 HPGSHKVPFPRKXKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105
Db 61 HPGSHKVPFPRKXKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

```

```

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy       1 MRGATRVSIMLLLVTSDCAVITGACERDVQCAGTCCCAISLWLRLRMCTPLGREGBEC 60
          |||||
Db       1 MRGATRVSIMLLLVTSDCAVITGACERDVQCAGTCCCAISLWLRLRMCTPLGREGBEC 60
          |||||

Qy       61 HPGSHKVPFFPKRKHHTCPCLPNLLCSRFPDGRYCSMDLKINF 105
          |||||
Db       61 HPGSHKVPFFPKRKHHTCPCLPNLLCSRFPDGRYCSMDLKINF 105
          |||||

RESULT 126
US-10-123-236-470
```

; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-123-261-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
DB 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRRKHKHTCPCPLNLLCSRPDPGRYCSMDLKNINF 105  
DB 61 HPGSHKVPFFRRKHKHTCPCPLNLLCSRPDPGRYCSMDLKNINF 105

## RESULT 128

US-10-140-921-470  
; Sequence 470, Application US/10140921  
; Publication No. US20030068797A1

## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C175

; CURRENT APPLICATION NUMBER: US/10/140,921

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-140-921-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
DB 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFRRKHKHTCPCPLNLLCSRPDPGRYCSMDLKNINF 105

DB 61 HPGSHKVPFFRRKHKHTCPCPLNLLCSRPDPGRYCSMDLKNINF 105

## RESULT 129

US-10-140-928-470  
; Sequence 470, Application US/10140928  
; Publication No. US20030068798A1

## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C186

; CURRENT APPLICATION NUMBER: US/10/140,928

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-140-928-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
DB 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFRRKHKHTCPCPLNLLCSRPDPGRYCSMDLKNINF 105

DB 61 HPGSHKVPFFRRKHKHTCPCPLNLLCSRPDPGRYCSMDLKNINF 105

## RESULT 130

US-10-216-159A-166

; Sequence 166, Application US/10216159A

; Publication No. US2003006937A1

## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C6

; CURRENT APPLICATION NUMBER: US/10/216,159A

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-216-159A-166

```

; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 166
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-216-159A-166

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGRGEEC 60
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGRGEEC 60
QY 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPDGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 131
US-10-121-045-470
; Sequence 470, Application US/10121045
; Publication No. US20030073210A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C3
; CURRENT APPLICATION NUMBER: US/10/121,045
; CURRENT FILING DATE: 2002-04-11
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-045-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGRGEEC 60
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGRGEEC 60
QY 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPDGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 131
US-10-121-045-470
; Sequence 470, Application US/10121045
; Publication No. US20030073210A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C3
; CURRENT APPLICATION NUMBER: US/10/121,045
; CURRENT FILING DATE: 2002-04-11
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-045-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGRGEEC 60
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGRGEEC 60
QY 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPDGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 133
US-10-123-292-470
; Sequence 470, Application US/10123292
; Publication No. US20030073211A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C32
; CURRENT APPLICATION NUMBER: US/10/123,292
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-292-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGRGEEC 60
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMTCTPLGRGEEC 60
QY 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPDGRYRCSDMLKNINF 105
DB 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 133
US-10-123-903-470
; Sequence 470, Application US/10123903
; Publication No. US20030073212A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
```



; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C65  
; CURRENT APPLICATION NUMBER: US/10/123,903  
; Prior Filing DATE: 2002-04-16  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-123-903-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
DB 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 134  
US-10-124-819-470  
; Sequence 470, Application US/10124819  
; Publication No. US20030073213A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin J.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C65  
; CURRENT APPLICATION NUMBER: US/10/124,819  
; Prior Filing DATE: 2002-04-17  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-124-819-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
DB 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 135  
US-10-124-822-470  
; Sequence 470, Application US/10124822  
; Publication No. US20030073214A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C64  
; CURRENT APPLICATION NUMBER: US/10/124,822  
; Prior Filing DATE: 2002-04-17  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-124-822-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
DB 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 136  
US-10-140-925-470  
; Sequence 470, Application US/10140925  
; Publication No. US20030073215A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 135  
US-10-124-822-470  
; Sequence 470, Application US/10124822  
; Publication No. US20030073214A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C64  
; CURRENT APPLICATION NUMBER: US/10/124,822  
; Prior Filing DATE: 2002-04-17  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-124-822-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
DB 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 136  
US-10-140-925-470  
; Sequence 470, Application US/10140925  
; Publication No. US20030073215A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel

```

; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C451
; CURRENT APPLICATION NUMBER: US/10/140,925
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION REMOVED - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-925-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
DB 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 137
US-10-160-498-470
; Sequence 470, Application US/10160498
; Publication No. US20030073216A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C451
; CURRENT APPLICATION NUMBER: US/10/160,498
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-160-498-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
DB 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 138
US-10-218-849-166
; Sequence 166, Application US/10218849
; Publication No. US20030073814A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C11
; CURRENT APPLICATION NUMBER: US/10/218,849
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 166
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-849-166

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
DB 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 139
US-10-227-873-166
; Sequence 166, Application US/10227873
; Publication No. US20030073816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C72
; CURRENT APPLICATION NUMBER: US/10/227,873
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
```

```

; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C451
; CURRENT APPLICATION NUMBER: US/10/140,925
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION REMOVED - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-925-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
DB 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 137
US-10-160-498-470
; Sequence 470, Application US/10160498
; Publication No. US20030073216A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C451
; CURRENT APPLICATION NUMBER: US/10/160,498
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-160-498-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
DB 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 138
US-10-218-849-166
; Sequence 166, Application US/10218849
; Publication No. US20030073814A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C11
; CURRENT APPLICATION NUMBER: US/10/218,849
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 166
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-849-166

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
DB 1 MGRATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGEBC 60
QY 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105
DB 61 HPGSHKVPFFRRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 139
US-10-227-873-166
; Sequence 166, Application US/10227873
; Publication No. US20030073816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C72
; CURRENT APPLICATION NUMBER: US/10/227,873
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
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us-10-027-603-2.rapb

PRIOR APPLICATION NUMBER: 60/140650  
PRIOR FILING DATE: 1999-06-22  
PRIOR APPLICATION NUMBER: 60/140723  
PRIOR FILING DATE: 1999-06-22  
PRIOR APPLICATION NUMBER: 60/141037  
PRIOR FILING DATE: 1999-06-23  
PRIOR APPLICATION NUMBER: 60/144758  
PRIOR FILING DATE: 1999-07-20  
PRIOR APPLICATION NUMBER: 60/145698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: 60/146222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: 60/146963  
PRIOR FILING DATE: 1999-08-03  
PRIOR APPLICATION NUMBER: 60/149320  
PRIOR FILING DATE: 1999-08-17  
PRIOR APPLICATION NUMBER: 60/149638  
PRIOR FILING DATE: 1999-08-17  
PRIOR APPLICATION NUMBER: 60/151733  
PRIOR FILING DATE: 1999-08-31  
PRIOR APPLICATION NUMBER: 60/164418  
PRIOR FILING DATE: 1999-11-09  
PRIOR APPLICATION NUMBER: 60/166361  
PRIOR FILING DATE: 1999-11-16  
PRIOR APPLICATION NUMBER: 60/169445  
PRIOR FILING DATE: 1999-12-07  
PRIOR APPLICATION NUMBER: 60/169495  
PRIOR FILING DATE: 1999-12-07  
PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEGATRVSIMLLVTSDDCAVITGACERDVQCGAGTCCALSMLRLGRLMCTPLGREGEBC 60  
Db |||||  
Qy 1 MEGATRVSIMLLVTSDDCAVITGACERDVQCGAGTCCALSMLRLGRLMCTPLGREGEBC 60  
Db |||||

Qy 61 HPGSHKVPFFRKXKHTCPCLNLLCSRFDPGRVCSMDLKNINF 105  
Db |||||

61 HPGSHKVPFFRKXKHTCPCLNLLCSRFDPGRVCSMDLKNINF 105

RESULT 140  
US-10-227-883-166  
Sequence 166, Application US/10227883  
Publication No. US20030073817A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Desnoyers, Luc  
APPLICANT: Gerritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3530P1C78  
CURRENT APPLICATION NUMBER: US/10/227,883  
CURRENT FILING DATE: 2002-08-26  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103

PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079656  
PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/081819  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/081955  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082804  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/084441  
PRIOR FILING DATE: 1998-05-06  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/086392  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089905  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090691  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/095302  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095318  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095916  
PRIOR FILING DATE: 1998-08-10  
PRIOR APPLICATION NUMBER: 60/096146  
PRIOR FILING DATE: 1998-08-11  
PRIOR APPLICATION NUMBER: 60/096791  
PRIOR FILING DATE: 1998-08-17  
PRIOR APPLICATION NUMBER: 60/097986  
PRIOR FILING DATE: 1998-08-26  
PRIOR APPLICATION NUMBER: 60/098544  
PRIOR FILING DATE: 1998-08-31  
PRIOR APPLICATION NUMBER: 60/099596  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099598  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099803  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099811  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099812  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099816  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/100038  
PRIOR FILING DATE: 1998-09-11  
PRIOR APPLICATION NUMBER: 60/100385  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100390  
PRIOR FILING DATE: 1998-09-15

; PRIOR APPLICATION NUMBER: 60/100627  
 ; PRIOR FILING DATE: 1998-09-16  
 ; PRIOR APPLICATION NUMBER: 60/100848  
 ; PRIOR FILING DATE: 1998-09-18  
 ; PRIOR APPLICATION NUMBER: 60/100919  
 ; PRIOR FILING DATE: 1998-09-17  
 ; PRIOR APPLICATION NUMBER: 60/101477  
 ; PRIOR FILING DATE: 1998-09-23  
 ; PRIOR APPLICATION NUMBER: 60/101738  
 ; PRIOR FILING DATE: 1998-09-24  
 ; PRIOR APPLICATION NUMBER: 60/101741  
 ; PRIOR FILING DATE: 1998-09-24  
 ; PRIOR APPLICATION NUMBER: 60/101786  
 ; PRIOR FILING DATE: 1998-09-25  
 ; PRIOR APPLICATION NUMBER: 60/101916  
 ; PRIOR FILING DATE: 1998-09-24  
 ; PRIOR APPLICATION NUMBER: 60/101922  
 ; PRIOR FILING DATE: 1998-09-24  
 ; PRIOR APPLICATION NUMBER: 60/106178  
 ; PRIOR FILING DATE: 1998-10-28  
 ; PRIOR APPLICATION NUMBER: 60/106248  
 ; PRIOR FILING DATE: 1998-10-29  
 ; PRIOR APPLICATION NUMBER: 60/106464  
 ; PRIOR FILING DATE: 1998-10-30  
 ; PRIOR APPLICATION NUMBER: 60/106905  
 ; PRIOR FILING DATE: 1998-11-03  
 ; PRIOR APPLICATION NUMBER: 60/108787  
 ; PRIOR FILING DATE: 1998-11-17  
 ; PRIOR APPLICATION NUMBER: 60/108801  
 ; PRIOR FILING DATE: 1998-11-17  
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 ; PRIOR APPLICATION NUMBER: 60/112422  
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 ; PRIOR APPLICATION NUMBER: 60/113296  
 ; PRIOR FILING DATE: 1998-12-22  
 ; PRIOR APPLICATION NUMBER: 60/113605  
 ; PRIOR FILING DATE: 1998-12-23  
 ; PRIOR APPLICATION NUMBER: 60/113621  
 ; PRIOR FILING DATE: 1998-12-23  
 ; PRIOR APPLICATION NUMBER: 60/115558  
 ; PRIOR FILING DATE: 1999-01-12  
 ; PRIOR APPLICATION NUMBER: 60/115565  
 ; PRIOR FILING DATE: 1999-01-12  
 ; PRIOR APPLICATION NUMBER: 60/115733  
 ; PRIOR FILING DATE: 1999-01-12  
 ; PRIOR APPLICATION NUMBER: 60/119549  
 ; PRIOR FILING DATE: 1998-02-10  
 ; PRIOR APPLICATION NUMBER: 60/123618  
 ; PRIOR FILING DATE: 1999-03-10  
 ; PRIOR APPLICATION NUMBER: 60/125259  
 ; PRIOR FILING DATE: 1999-03-19  
 ; PRIOR APPLICATION NUMBER: 60/125775  
 ; PRIOR FILING DATE: 1999-03-23  
 ; PRIOR APPLICATION NUMBER: 60/126773  
 ; PRIOR FILING DATE: 1999-03-29  
 ; PRIOR APPLICATION NUMBER: 60/127887  
 ; PRIOR FILING DATE: 1999-04-05  
 ; PRIOR APPLICATION NUMBER: 60/130232  
 ; PRIOR FILING DATE: 1999-04-21  
 ; PRIOR APPLICATION NUMBER: 60/131022  
 ; PRIOR FILING DATE: 1999-04-26  
 ; PRIOR APPLICATION NUMBER: 60/131270  
 ; PRIOR FILING DATE: 1999-04-27  
 ; PRIOR APPLICATION NUMBER: 60/131291  
 ; PRIOR FILING DATE: 1999-04-27  
 ; PRIOR APPLICATION NUMBER: 60/131445  
 ; PRIOR FILING DATE: 1999-04-28  
 ; PRIOR APPLICATION NUMBER: 60/134287  
 ; PRIOR FILING DATE: 1999-05-14  
 ; PRIOR APPLICATION NUMBER: 60/140650  
 ; PRIOR FILING DATE: 1999-06-22  
 ; PRIOR APPLICATION NUMBER: 60/140723

; PRIOR FILING DATE: 1999-06-22  
 ; PRIOR APPLICATION NUMBER: 60/141037  
 ; PRIOR FILING DATE: 1999-06-23  
 ; PRIOR APPLICATION NUMBER: 60/144758  
 ; PRIOR FILING DATE: 1999-07-20  
 ; PRIOR APPLICATION NUMBER: 60/145698  
 ; PRIOR FILING DATE: 1999-07-26  
 ; PRIOR APPLICATION NUMBER: 60/146222  
 ; PRIOR FILING DATE: 1999-07-28  
 ; PRIOR APPLICATION NUMBER: 60/146963  
 ; PRIOR FILING DATE: 1999-08-03  
 ; PRIOR APPLICATION NUMBER: 60/149320  
 ; PRIOR FILING DATE: 1999-08-17  
 ; PRIOR APPLICATION NUMBER: 60/149638  
 ; PRIOR FILING DATE: 1999-08-17  
 ; PRIOR APPLICATION NUMBER: 60/151733  
 ; PRIOR FILING DATE: 1999-08-31  
 ; PRIOR APPLICATION NUMBER: 60/164418  
 ; PRIOR FILING DATE: 1999-11-09  
 ; PRIOR APPLICATION NUMBER: 60/166361  
 ; PRIOR FILING DATE: 1999-11-16  
 ; PRIOR APPLICATION NUMBER: 60/169445  
 ; PRIOR FILING DATE: 1999-12-07  
 ; PRIOR APPLICATION NUMBER: 60/169495  
 ; PRIOR FILING DATE: 1999-12-07  
 ; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 589; DB 14; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Gaps 0; Indels 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGIRWCTPLGREGEC 60  
 |||||  
 Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGIRWCTPLGREGEC 60  
 |||||

QY 61 HPGSHKVPFRKXKHTCPCLPNLLCSRPDPDGRYCSMDLKNINF 105  
 |||||  
 Db 61 HPGSHKVPFRKXKHTCPCLPNLLCSRPDPDGRYCSMDLKNINF 105  
 |||||

RESULT 141  
 US-10-124-824-470  
 ; Sequence 470, Application US/10124824  
 ; Publication No. US20030077659A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 ; FILE REFERENCE: P3330R1C68  
 ; CURRENT APPLICATION NUMBER: US/10/124,824  
 ; CURRENT FILING DATE: 2002-04-17  
 ; Prior Application removed - See Palm or File Wrapper  
 ; NUMBER OF SEQ ID NOS: 550  
 ; SEQ ID NO 470  
 ; LENGTH: 105  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien

US-10-124-824-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPEFRKRKHHTCPCLPNLLCSRFDPDGRVRCSDMLKNINF 105  
DB 61 HPGSHKVPEFRKRKHHTCPCLPNLLCSRFDPDGRVRCSDMLKNINF 105

## RESULT 142

US-10-127-825A-470  
; Sequence 470, Application US/10127825A  
; Publication No. US2003007710A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C84

CURRENT FILING DATE: 2002-04-22

PRIOR APPLICATION NUMBER: US/10/127,825A

PRIOR FILING DATE: 2002-04-22

PRIOR APPLICATION NUMBER: 60/049911

PRIOR FILING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26

PRIOR APPLICATION NUMBER: 60/059113

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059122

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059184

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059352

PRIOR FILING DATE: 1997-09-19

PRIOR APPLICATION NUMBER: 60/059588

PRIOR FILING DATE: 1997-09-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 470

LENGTH: 105

TYPE: PRT

ORGANISM: Homo Sapien

US-10-127-825A-470

## Query Match

Best Local Similarity 100.0%; Score 589; DB 14; Length 105;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
QY 61 HPGSHKVPEFRKRKHHTCPCLPNLLCSRFDPDGRVRCSDMLKNINF 105  
DB 61 HPGSHKVPEFRKRKHHTCPCLPNLLCSRFDPDGRVRCSDMLKNINF 105

## RESULT 143

US-10-127-829A-470  
; Sequence 470, Application US/10127829A  
; Publication No. US2003007711A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C85

CURRENT FILING DATE: 2002-10-15

PRIOR APPLICATION NUMBER: US/10/127,829A

PRIOR FILING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26

PRIOR APPLICATION NUMBER: 60/059113

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059122

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059184

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059352

PRIOR FILING DATE: 1997-09-19

PRIOR APPLICATION NUMBER: 60/059588

PRIOR FILING DATE: 1997-09-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 470

LENGTH: 105

TYPE: PRT

ORGANISM: Homo Sapien

US-10-127-829A-470

## Query Match

Best Local Similarity 100.0%; Score 589; DB 14; Length 105;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60



/ APPLICANT: Baker, Kevin P.  
 / APPLICANT: Beresini, Maureen  
 / APPLICANT: DeForge, Laura  
 / APPLICANT: Desnoyers, Luc  
 / APPLICANT: Filvaroff, Ellen  
 / APPLICANT: Gao, Wei-Qiang  
 / APPLICANT: Gerritsen, Mary E.  
 / APPLICANT: Goddard, Audrey  
 / APPLICANT: Godowski, Paul J.  
 / APPLICANT: Gurney, Austin L.  
 / APPLICANT: Sherwood, Steven  
 / APPLICANT: Smith, Victoria  
 / APPLICANT: Stewart, Timothy A.  
 / APPLICANT: Tamas, Daniel  
 / APPLICANT: Watanabe, Colin K  
 / APPLICANT: Wood, William  
 / APPLICANT: Zhang, Zemin  
 / TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 / FILE REFERENCE: P3330RLC86  
 / CURRENT APPLICATION NUMBER: US/10/127,901A  
 / PRIOR FILING DATE: 2002-10-15  
 / PRIOR APPLICATION NUMBER: 60/049911  
 / PRIOR FILING DATE: 1997-06-18  
 / PRIOR APPLICATION NUMBER: 60/056974  
 / PRIOR FILING DATE: 1997-08-26  
 / PRIOR APPLICATION NUMBER: 60/059113  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059115  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059122  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059184  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059263  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059352  
 / PRIOR FILING DATE: 1997-09-19  
 / PRIOR APPLICATION NUMBER: 60/059588  
 / Remaining Prior Application data removed - See File Wrapper or PALM.  
 / NUMBER OF SEQ ID NOS: 550  
 / SEQ ID NO 470  
 / LENGTH: 105  
 / TYPE: PRT  
 / ORGANISM: Homo Sapien  
 / US-10-127-901A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGRGEEC 60  
 Db 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGRGEEC 60  
 QY 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFDPDGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 147  
 US-10-128-693A-470  
 / Sequence 470, Application US/10128693A  
 / Publication No. US2003007715A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Baker, Kevin P.  
 / APPLICANT: Beresini, Maureen  
 / APPLICANT: DeForge, Laura  
 / APPLICANT: Desnoyers, Luc  
 / APPLICANT: Filvaroff, Ellen

/ APPLICANT: Gao, Wei-Qiang  
 / APPLICANT: Gerritsen, Mary E.  
 / APPLICANT: Goddard, Audrey  
 / APPLICANT: Godowski, Paul J.  
 / APPLICANT: Gurney, Austin L.  
 / APPLICANT: Sherwood, Steven  
 / APPLICANT: Smith, Victoria  
 / APPLICANT: Stewart, Timothy A.  
 / APPLICANT: Tamas, Daniel  
 / APPLICANT: Watanabe, Colin K  
 / APPLICANT: Wood, William  
 / APPLICANT: Zhang, Zemin  
 / TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 / FILE REFERENCE: P3330RLC120  
 / CURRENT APPLICATION NUMBER: US/10/128,693A  
 / PRIOR FILING DATE: 2002-04-23  
 / PRIOR APPLICATION NUMBER: 60/049911  
 / PRIOR FILING DATE: 1997-06-18  
 / PRIOR APPLICATION NUMBER: 60/056974  
 / PRIOR FILING DATE: 1997-08-26  
 / PRIOR APPLICATION NUMBER: 60/059113  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059115  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059117  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059122  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059184  
 / PRIOR FILING DATE: 1997-09-17  
 / PRIOR APPLICATION NUMBER: 60/059263  
 / PRIOR FILING DATE: 1997-09-18  
 / PRIOR APPLICATION NUMBER: 60/059352  
 / PRIOR FILING DATE: 1997-09-19  
 / PRIOR APPLICATION NUMBER: 60/059588  
 / Remaining Prior Application data removed - See File Wrapper or PALM.  
 / NUMBER OF SEQ ID NOS: 550  
 / SEQ ID NO 470  
 / LENGTH: 105  
 / TYPE: PRT  
 / ORGANISM: Homo Sapien  
 / US-10-128-693A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGRGEEC 60  
 Db 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGRGEEC 60  
 QY 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFDPDGRYRCSMDLKNINF 105  
 Db 61 HPGSHKVPFFRRKRKHTCTCPLNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 148  
 US-10-131-813A-470  
 / Sequence 470, Application US/10131813A  
 / Publication No. US2003007716A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Baker, Kevin P.  
 / APPLICANT: Beresini, Maureen  
 / APPLICANT: DeForge, Laura  
 / APPLICANT: Desnoyers, Luc  
 / APPLICANT: Filvaroff, Ellen  
 / APPLICANT: Gao, Wei-Qiang  
 / APPLICANT: Gerritsen, Mary E.  
 / APPLICANT: Goddard, Audrey  
 / APPLICANT: Godowski, Paul J.  
 / APPLICANT: Gurney, Austin L.



```

; APPLICANT: Wood,William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C141
; CURRENT APPLICATION NUMBER: US/10/131,818A
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-131-818A-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVISIMLLVTVSDCAVITGACERDVOCGAGTCCAISSLWLRGLRMCTPLGRGEEC 60
Db 1 MRGATRVISIMLLVTVSDCAVITGACERDVOCGAGTCCAISSLWLRGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFPRKRKHHTCPCLNLLCSRFPDGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFPRKRKHHTCPCLNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 150
US-10-131-823A-470
; Sequence 470, Application US/10131823A
; Publication No. US2003007718A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin F.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C143

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; CURRENT APPLICATION NUMBER: US/10/131.823A  
; CURRENT FILING DATE: 2002-04-24  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-131-823A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MGGATRVSMILLVTVSDCAVITGACERDVCCAGTCCCAISLWLRGMRCTPLGREGGEC 60  
DB 1 MGGATRVSMILLVTVSDCAVITGACERDVCCAGTCCCAISLWLRGMRCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRKRRKHHTCPCLPNLLCSRFDPDGRYRCMDLNKINF 105  
DB 61 HPGSHKVPFFRKRRKHHTCPCLPNLLCSRFDPDGRYRCMDLNKINF 105

RESULT 151  
US-10-131-824A-470  
; Sequence 470, Application US/10/131.824A  
; Publication No. US2003007719A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C126  
; CURRENT APPLICATION NUMBER: US/10/131.824A  
; CURRENT FILING DATE: 2002-04-24  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-131-824A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MGGATRVSMILLVTVSDCAVITGACERDVCCAGTCCCAISLWLRGMRCTPLGREGGEC 60  
DB 1 MGGATRVSMILLVTVSDCAVITGACERDVCCAGTCCCAISLWLRGMRCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRKRRKHHTCPCLPNLLCSRFDPDGRYRCMDLNKINF 105  
DB 61 HPGSHKVPFFRKRRKHHTCPCLPNLLCSRFDPDGRYRCMDLNKINF 105

RESULT 152  
US-10-131-830A-470  
; Sequence 470, Application US/10/131.830A  
; Publication No. US2003007720A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C137  
; CURRENT APPLICATION NUMBER: US/10/131.830A  
; CURRENT FILING DATE: 2002-10-17  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17



; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-137-872A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRKXKHTCPCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105

## RESULT 155

US-10-147-500-470  
; Sequence 470, Application US/10147500  
; Publication No. US2003007723A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C325  
; CURRENT APPLICATION NUMBER: US/10/147,500  
; CURRENT FILING DATE: 2002-05-16  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-147-500-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRKXKHTCPCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105

## RESULT 156

US-10-147-502-470

; Sequence 470, Application US/10147502  
; Publication No. US2003007724A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C326  
; CURRENT APPLICATION NUMBER: US/10/147,502  
; CURRENT FILING DATE: 2002-05-16  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-147-502-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
DB 1 MRGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRKXKHTCPCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCLPCLNLLCSRFDPDGRYRCSDMLKNINF 105

## RESULT 157

US-10-147-515-470  
; Sequence 470, Application US/10147515  
; Publication No. US2003007725A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C342  
; CURRENT APPLICATION NUMBER: US/10/147,515  
; CURRENT FILING DATE: 2002-05-17

; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-147-515-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
Db 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKXKHTCTCPLNLLCSRPDPGRYCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKXKHTCTCPLNLLCSRPDPGRYCSMDLKNINF 105

## RESULT 158

US-10-147-517-470  
; Sequence 470, Application US/10147517  
; Publication No. US2003007726A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P330R1C337  
; CURRENT APPLICATION NUMBER: US/10/147,517  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-147-517-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
Db 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKXKHTCTCPLNLLCSRPDPGRYCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKXKHTCTCPLNLLCSRPDPGRYCSMDLKNINF 105

## RESULT 159

US-10-147-526-470  
; Sequence 470, Application US/10147526  
; Publication No. US2003007727A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P330R1C343  
; CURRENT APPLICATION NUMBER: US/10/147,526  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-147-526-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
Db 1 MGRATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECC 60  
QY 61 HPGSHKVPFFRKXKHTCTCPLNLLCSRPDPGRYCSMDLKNINF 105  
Db 61 HPGSHKVPFFRKXKHTCTCPLNLLCSRPDPGRYCSMDLKNINF 105

## RESULT 160

US-10-147-527-470  
; Sequence 470, Application US/10147527  
; Publication No. US2003007728A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P330R1C353  
; CURRENT APPLICATION NUMBER: US/10/147,527  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550

US-10-147-527-470  
; Sequence 470, Application US/10147527  
; Publication No. US2003007728A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P330R1C353  
; CURRENT APPLICATION NUMBER: US/10/147,527  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-147-527-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

DB 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

## RESULT 161

US-10-121-041-470  
; Sequence 470, Application US/10121041  
; Publication No. US2003007776A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Goddard, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330RIC9

; CURRENT APPLICATION NUMBER: US/10/121.041

; CURRENT FILING DATE: 2002-04-11

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-121-041-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

DB 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

## RESULT 162

US-10-121-043-470

; Sequence 470, Application US/10121043

; Publication No. US2003007777A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Goddard, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330RIC15

; CURRENT APPLICATION NUMBER: US/10/121.043

; CURRENT FILING DATE: 2002-04-12

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-121-043-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

DB 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

RESULT 163

US-10-121-047-470

; Sequence 470, Application US/10121047

; Publication No. US2003007778A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Goddard, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330RIC4

; CURRENT APPLICATION NUMBER: US/10/121.047

; CURRENT FILING DATE: 2002-04-11

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

```
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-047-470

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 164
US-10-123-215-470
; Sequence 470, Application US/10123215
; Publication No. US2003007780A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C41
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-215-470

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 165
US-10-123-902-470
; Sequence 470, Application US/10123902
; Publication No. US2003007778A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C44
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-902-470

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 166
US-10-123-908-470
; Sequence 470, Application US/10123908
; Publication No. US20030077782A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C44
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-908-470

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKRKHHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105
```

## US-10-123-908-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60

QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105  
Db 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

## RESULT 167

US-10-123-909-470  
; Sequence 470, Application US/10123909  
; Publication No. US20030077783A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowsky, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330RIC49

; CURRENT APPLICATION NUMBER: US/10/123,909  
; CURRENT FILING DATE: 2002-04-16

; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-123-909-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60

QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

Db 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

## RESULT 168

US-10-123-910-470  
; Sequence 470, Application US/10123910  
; Publication No. US20030077784A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowsky, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330RIC45

; CURRENT APPLICATION NUMBER: US/10/123,910

; CURRENT FILING DATE: 2002-04-16

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-123-910-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGSEC 60

QY 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

Db 61 HPGSHKVPFFRRKRKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

## RESULT 169

US-10-124-813-470

; Sequence 470, Application US/10124813

; Publication No. US20030077785A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowsky, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330RIC67

; CURRENT APPLICATION NUMBER: US/10/124,813

; CURRENT FILING DATE: 2002-04-17

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-124-813-470



Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 170  
US-10-124-817-470  
; Sequence 470, Application US/10124817  
; Publication No. US2003007786A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C56  
; CURRENT APPLICATION NUMBER: US/10/124,817  
; CURRENT FILING DATE: 2002-04-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-124-817-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 171  
US-10-125-922-470  
; Sequence 470, Application US/10125922  
; Publication No. US2003007787A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C75  
; CURRENT APPLICATION NUMBER: US/10/125,924  
; CURRENT FILING DATE: 2002-04-19  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-125-922-470

APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C73  
CURRENT APPLICATION NUMBER: US/10/125,922  
CURRENT FILING DATE: 2002-04-19  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-125-922-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECC 60

QY 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFFRKXKHTCPCLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 172  
US-10-125-924-470  
; Sequence 470, Application US/10125924  
; Publication No. US2003007788A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C75  
; CURRENT APPLICATION NUMBER: US/10/125,924  
; CURRENT FILING DATE: 2002-04-19  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-125-924-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
Db 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

## RESULT 173

US-10-140-860-470  
; Sequence 470, Application US/10140860  
; Publication No. US20030077789A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C189  
; CURRENT APPLICATION NUMBER: US/10/140,860  
; CURRENT FILING DATE: 2002-05-07  
; Prior Application removed - See Palm or File Wrapper  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien

## US-10-140-860-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
Db 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

## RESULT 174

US-10-142-417-470  
; Sequence 470, Application US/10142417  
; Publication No. US2003007790A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C232  
; CURRENT APPLICATION NUMBER: US/10/142,417  
; CURRENT FILING DATE: 2002-05-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien

## US-10-142-417-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
Db 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60  
QY 61 HPGSHKVPFFRKHKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKHKHTCPCLPNLLCSFPDGRVRCSDMLKNINF 105

## RESULT 175

US-10-147-519-470  
; Sequence 470, Application US/10147519  
; Publication No. US20030077791A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C346  
; CURRENT APPLICATION NUMBER: US/10/147,519  
; CURRENT FILING DATE: 2002-05-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien

## US-10-147-519-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 DB 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
 DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 176  
 US-10-157-782-470  
 ; Sequence 470, Application US/10157782  
 ; Publication No. US2003007792A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3330R1C431  
 ; CURRENT FILING DATE: 2002-05-29  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 550  
 ; SEQ ID NO 470  
 ; LENGTH: 105  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-157-782-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 DB 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
 DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 177  
 US-10-152-395-470  
 ; Sequence 470, Application US/10152395  
 ; Publication No. US2003007837A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P3330R1C405  
 CURRENT APPLICATION NUMBER: US/10/152,395  
 CURRENT FILING DATE: 2002-05-21  
 Prior Application removed - See File Wrapper or Palm  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 470  
 LENGTH: 105  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-152-395-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 DB 1 MRGATRVSIMLLLVTSVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEC 60  
 QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105  
 DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 178  
 US-10-219-076-166  
 ; Sequence 166, Application US/10219076  
 ; Publication No. US20030078379A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Gerritsen, Mary  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stephan, Jean-Philippe F.  
 ; APPLICANT: Watanabe, Colin L.  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3330P1C82  
 ; CURRENT APPLICATION NUMBER: US/10/219,076  
 ; CURRENT FILING DATE: 2002-08-14  
 ; Prior Application Number: 10/119,480  
 ; Prior Filing Date: 2002-04-09  
 ; Prior Application Number: 60/059113  
 ; Prior Filing Date: 1997-09-17  
 ; Prior Application Number: 60/062287  
 ; Prior Filing Date: 1997-10-17  
 ; Prior Application Number: 60/063549  
 ; Prior Filing Date: 1997-10-28  
 ; Prior Application Number: 60/064103  
 ; Prior Filing Date: 1997-10-31  
 ; Prior Application Number: 60/069873  
 ; Prior Filing Date: 1997-12-17  
 ; Prior Application Number: 60/078910  
 ; Prior Filing Date: 1998-03-20  
 ; Prior Application Number: 60/079294  
 ; Prior Filing Date: 1998-03-25  
 ; Prior Application Number: 60/079656  
 ; Prior Filing Date: 1998-03-26  
 ; Prior Application Number: 60/079728  
 ; Prior Filing Date: 1998-03-27

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 166  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-076-166

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLMCTPLGREGBEC 60

Db 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLMCTPLGREGBEC 60

QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPPGGRYRCSMDLKNINF 105

Db 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPPGGRYRCSMDLKNINF 105

## RESULT 179

US-10-230-434-166

; Sequence 166, Application US/10230434

; Publication No. US20030078380A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PLC82

; CURRENT APPLICATION NUMBER: US/10/230,434

; PRIOR FILING DATE: 2002-08-28

; PRIOR APPLICATION NUMBER: 10/119,480

; PRIOR FILING DATE: 2002-04-09

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/062287

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063549

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/064103

; PRIOR FILING DATE: 1997-10-31

; PRIOR APPLICATION NUMBER: 60/069873

; PRIOR FILING DATE: 1997-12-17

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/079294

; PRIOR FILING DATE: 1998-03-25

; PRIOR APPLICATION NUMBER: 60/079656

; PRIOR FILING DATE: 1998-03-26

; PRIOR APPLICATION NUMBER: 60/079728

; PRIOR FILING DATE: 1998-03-27

; PRIOR APPLICATION NUMBER: 60/081819

; PRIOR FILING DATE: 1998-04-15

; PRIOR APPLICATION NUMBER: 60/081955

; PRIOR FILING DATE: 1998-04-15

; PRIOR APPLICATION NUMBER: 60/082804

; PRIOR FILING DATE: 1998-04-22

; PRIOR APPLICATION NUMBER: 60/084441

; PRIOR FILING DATE: 1998-05-06

; PRIOR APPLICATION NUMBER: 60/085323

; PRIOR FILING DATE: 1998-05-13

; PRIOR APPLICATION NUMBER: 60/085579

; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/086392  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089905  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090691  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/095302  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095318  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095916  
; PRIOR FILING DATE: 1998-08-10  
; PRIOR APPLICATION NUMBER: 60/096146  
; PRIOR FILING DATE: 1998-08-11  
; PRIOR APPLICATION NUMBER: 60/096791  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 60/097986  
; PRIOR FILING DATE: 1998-08-26  
; PRIOR APPLICATION NUMBER: 60/098544  
; PRIOR FILING DATE: 1998-08-31  
; PRIOR APPLICATION NUMBER: 60/099596  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: 60/099598  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: 60/099803  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099811  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099812  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099816  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/100038  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: 60/100385  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100390  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100627  
; PRIOR FILING DATE: 1998-09-16  
; PRIOR APPLICATION NUMBER: 60/100848  
; PRIOR FILING DATE: 1998-09-18  
; PRIOR APPLICATION NUMBER: 60/100919  
; PRIOR FILING DATE: 1998-09-17  
; PRIOR APPLICATION NUMBER: 60/101477  
; PRIOR FILING DATE: 1998-09-23  
; PRIOR APPLICATION NUMBER: 60/101738  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101741  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101786  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: 60/101916  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101922  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/106178  
; PRIOR FILING DATE: 1998-10-28  
; PRIOR APPLICATION NUMBER: 60/106248  
; PRIOR FILING DATE: 1998-10-29

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; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRGATRVSMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEGEC 60
DB      1 MRGATRVSMLLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGRGEGEC 60

QY      61 HPGSHKVPFRFKKHHKTCCLPNLLCSRPDPDGRYRCMDLKNINF 105
DB      61 HPGSHKVPFRFKKHHKTCCLPNLLCSRPDPDGRYRCMDLKNINF 105

RESULT 180
US-10-125-926A-470
; Sequence 470, Application US/10125926A
; Publication No. US20030082686A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC80
; CURRENT APPLICATION NUMBER: US/10/125,926A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-926A-470

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Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSFPPDGRYRCSMDLNINF 105  
DB 61 HPGSHKVPFFRKRKHHTCPCLNLLCSFPPDGRYRCSMDLNINF 105

RESULT 181  
US-10-125-930A-470  
; Sequence 470, Application US/10125930A  
; Publication No. US20030082687A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C78  
; CURRENT APPLICATION NUMBER: US/10/125, 930A  
; CURRENT FILING DATE: 2002-04-19  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-125-930A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSFPPDGRYRCSMDLNINF 105

Db 61 HPGSHKVPFFRKRKHHTCPCLNLLCSFPPDGRYRCSMDLNINF 105

RESULT 182  
US-10-127-831A-470  
; Sequence 470, Application US/10127831A  
; Publication No. US20030082689A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C107  
; CURRENT APPLICATION NUMBER: US/10/127, 831A  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-127-831A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGEGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLNLLCSFPPDGRYRCSMDLNINF 105

Db 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCMDLKNINF 105

## RESULT 183

US-10-127-837A-470

; Sequence 470, Application US/10127837A

; Publication No. US20030082690A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Deanoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P330R1C96

; CURRENT APPLICATION NUMBER: US/10/127,837A

; CURRENT FILING DATE: 2002-10-17

; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-06-18

; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059115

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059117

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059184

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059588

; PRIOR FILING DATE: 1997-09-19

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-127-837A-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCMDLKNINF 105

Db 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCMDLKNINF 105

## RESULT 184

US-10-127-838B-470

; Sequence 470, Application US/10127842A

; Publication No. US20030082692A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; Sequence 470, Application US/10127838B

; Publication No. US20030082691A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Deanoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P330R1C98

; CURRENT APPLICATION NUMBER: US/10/127,838B

; CURRENT FILING DATE: 2002-04-22

; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-06-18

; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059115

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059117

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059184

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059588

; PRIOR FILING DATE: 1997-09-19

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-127-838B-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEC 60

QY 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCMDLKNINF 105

Db 61 HPGSHKVPFFRKRKHHTCPCLPNLLCSRFDPGRYRCMDLKNINF 105

## RESULT 185

US-10-127-842A-470

; Sequence 470, Application US/10127842A

; Publication No. US20030082692A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

APPLICANT: DeForge,Laura  
APPLICANT: Desnoyers,Luc  
APPLICANT: Filvaroff,Ellen  
APPLICANT: Gao,Wei-Qiang  
APPLICANT: Gerritsen,Mary E.  
APPLICANT: Goddard,Audrey  
APPLICANT: Godowski,Paul J.  
APPLICANT: Gurney,Austin L.  
APPLICANT: Sherwood,Steven  
APPLICANT: Smith,Victoria  
APPLICANT: Stewart,Timothy A.  
APPLICANT: Tamas,Daniel  
APPLICANT: Watanabe,Colin K  
APPLICANT: Wood,William  
APPLICANT: Zhang,Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330RIC100  
CURRENT APPLICATION NUMBER: US/10/127,842A  
CURRENT FILING DATE: 2002-10-15  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-127-842A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60  
DB 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60  
QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCMDLKNINF 105

RESULT 186  
US-10-127-843A-470  
Sequence 470, Application US/10127843A  
Publication No. US20030082693A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria

APPLICANT: Goddard,Audrey  
APPLICANT: Godowski,Paul J.  
APPLICANT: Gurney,Austin L.  
APPLICANT: Sherwood,Steven  
APPLICANT: Smith,Victoria  
APPLICANT: Stewart,Timothy A.  
APPLICANT: Tamas,Daniel  
APPLICANT: Watanabe,Colin K  
APPLICANT: Wood,William  
APPLICANT: Zhang,Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330RIC99  
CURRENT APPLICATION NUMBER: US/10/127,843A  
CURRENT FILING DATE: 2002-04-22  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-127-843A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60  
DB 1 MEGATRVSIMLLLVTSDCAVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGRGEEC 60  
QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFDPDGRYRCMDLKNINF 105

RESULT 187  
US-10-127-845A-470  
Sequence 470, Application US/10127845A  
Publication No. US20030082694A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria



```

; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C93
; CURRENT APPLICATION NUMBER: US/10/127,845A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-845A-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGGEC 60

QY 61 HPGSHKVPFFRKHKHTCPCLNLLCSRFDPDGRYRCMDLKNINF 105
DB 61 HPGSHKVPFFRKHKHTCPCLNLLCSRFDPDGRYRCMDLKNINF 105

RESULT 189
US-10-127-846A-470
; Sequence 470, Application US/10127846A
; Publication No. US20030082696A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C106
; CURRENT APPLICATION NUMBER: US/10/127,848A
; CURRENT FILING DATE: 2002-10-15

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; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-127-848A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
DB 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
  
QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 190  
US-10-127-849A-470  
; Sequence 470, Application US/10127849A  
; Publication No. US20030082697A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C103  
; CURRENT APPLICATION NUMBER: US/10/127,849A  
; CURRENT FILING DATE: 2002-04-23  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-127-849A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
DB 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
  
QY 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105  
DB 61 HPGSHKVPFFFRKRKHHTCPCLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 191  
US-10-127-850A-470  
; Sequence 470, Application US/10127850A  
; Publication No. US20030082698A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C110  
; CURRENT APPLICATION NUMBER: US/10/127,850A  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-127-850A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60

QY 61 HPGSHKVPFFRKRRKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKRRKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105

## RESULT 192

US-10-127-851A-470  
; Sequence 470, Application US/10127851A  
; Publication No. US20030082699A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C87

; CURRENT APPLICATION NUMBER: US/10/127,851A  
; CURRENT FILING DATE: 2002-10-15

; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 470  
; LENGTH: 105  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-127-851A-470

Query Match 100.0%; Score 589; DB 14; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.6e-55;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
Db 1 MRGATRVSIIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWRLGLRMCTPLGREGEEC 60  
QY 61 HPGSHKVPFFRKRRKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFFRKRRKHTCPCLNLLCSRPDPGRYRCSDMLKNINF 105

## RESULT 193

US-10-128-684A-470  
; Sequence 470, Application US/10128684A  
; Publication No. US20030082700A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C118

; CURRENT APPLICATION NUMBER: US/10/128,684A  
; CURRENT FILING DATE: 2002-04-23

; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

; US-10-128-684A-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEBC 60

DB 1 MRGATRVSMILLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGEBC 60

QY 61 HPGSHKVPFFRKRKHTCTCPLNLLCSRPDPGRYRCSDMLKNINF 105

DB 61 HPGSHKVPFFRKRKHTCTCPLNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 194

US-10-128-686A-470

; Sequence 470, Application US/10128686A

; Publication No. US20030082701A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: Deforge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C119

; CURRENT FILING DATE: 2002-04-23

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

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; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

; PRIOR FILING DATE: 1997-06-18

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTPLRGEGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTPLRGEGEC 60

QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

Db 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 196

US-10-128-691A-470

; Sequence 470, Application US/10128691A

; Publication No. US20030082703A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C123

; CURRENT APPLICATION NUMBER: US/10/128,691A

; CURRENT FILING DATE: 2002-04-23

; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-06-18

; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059115

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059117

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059184

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059588

; PRIOR FILING DATE: 1997-09-19

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-128-691A-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTPLRGEGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTPLRGEGEC 60

QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

Db 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 197

US-10-131-819A-470

; Sequence 470, Application US/10131819A

; Publication No. US20030082704A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C134

; CURRENT APPLICATION NUMBER: US/10/131,819A

; CURRENT FILING DATE: 2002-04-24

; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-06-18

; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059115

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059117

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059184

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059588

; PRIOR FILING DATE: 1997-09-19

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 470

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-131-819A-470

Query Match 100.0%; Score 589; DB 14; Length 105;

Best Local Similarity 100.0%; Pred. No. 2.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTPLRGEGEC 60

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCPTPLRGEGEC 60

QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

Db 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

```
RESULT 198
US-10-131-829A-470
; Sequence 470, Application US/10131829A
; Publication No. US20030082705A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Smith, Victoria
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC138
; CURRENT APPLICATION NUMBER: US/10/131,829A
; PRIOR FILING DATE: 2002-04-27
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-829A-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGREGECC 60
Db 1 MRGATRVSIMLLVTSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGREGECC 60
QY 61 HPGSHKVPFFRKRRKHTCPCLPRLNLLCSRFDPDGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKRRKHTCPCLPRLNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 199
US-10-131-836A-470
; Sequence 470, Application US/10131836A
; Publication No. US20030082706A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Smith, Victoria
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC138
; CURRENT APPLICATION NUMBER: US/10/131,836A
; PRIOR FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-836A-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGREGECC 60
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QY 61 HPGSHKVPFFRKRRKHTCPCLPRLNLLCSRFDPDGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKRRKHTCPCLPRLNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 199
US-10-131-836A-470
; Sequence 470, Application US/10131836A
; Publication No. US20030082706A1
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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC135
; CURRENT APPLICATION NUMBER: US/10/131,836A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-836A-470

Query Match 100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGREGECC 60
Db 1 MRGATRVSIMLLVTSDCAVITGACERDVQCAGTCCCAISLWRLGRLMCTPLGREGECC 60
QY 61 HPGSHKVPFFRKRRKHTCPCLPRLNLLCSRFDPDGRYRCSDMLKNINF 105
Db 61 HPGSHKVPFFRKRRKHTCPCLPRLNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 200
US-10-146-729-470
; Sequence 470, Application US/10146729
; Publication No. US20030082708A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
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; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C318
; CURRENT APPLICATION NUMBER: US/10/146,729
; CURRENT FILING DATE: 2002-05-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 470
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-146-729-470

Query Match      100.0%; Score 589; DB 14; Length 105;
Best Local Similarity 100.0%; Pred. NO. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 MRGATRVSIMLLLVTSDCAVITGACERDVCCGAGTCCTCAISLWLRGLRMCTPLGRGEEC 60

QY      61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYCSMDLKNINF 105
Db      61 HPGSHKVPFFRKHKHTCPCLPNLLCSRFPDGRYCSMDLKNINF 105
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Search completed: August 30, 2004, 07:06:38  
Job time : 60 secs

